AD-A062 047 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) YUMA, AZ--ETC(U)
JUL 78

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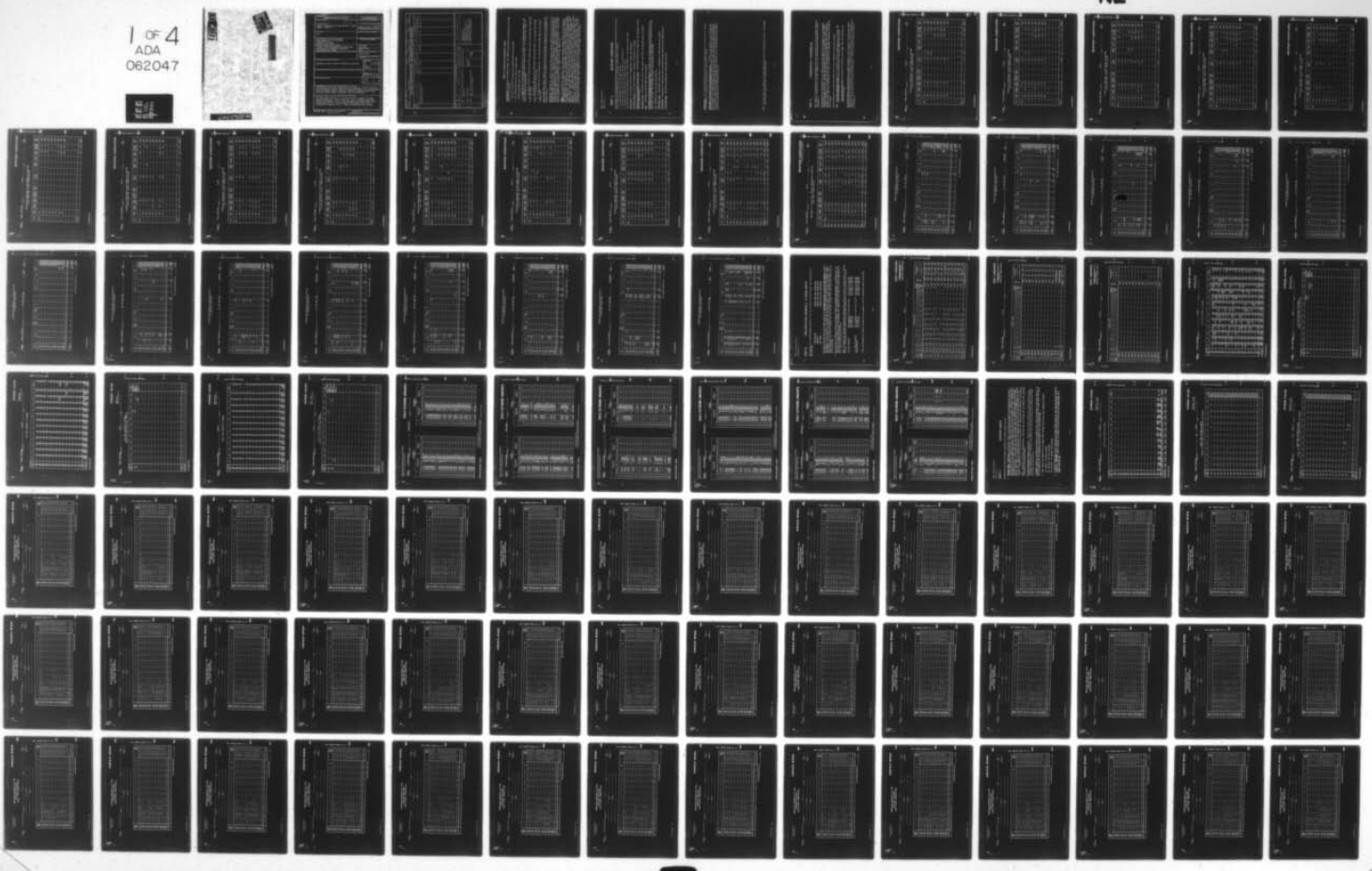

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE

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18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure,extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, Yuma, AZ.

20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure.

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STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	STATION ELEV. (FT.)	CALL SIGN	WMO NUMBER
03145	Yuma, Arizona	32°39'N	114°36'W	214	KNYL	72280

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO. LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	30' from the south end of operations building	MCAS	1966		32°39'N	114°36'W	214	Aneroid	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1964	400' E of runway 17 and 400'S of runway 08	AN-UMQ-5C	RD-108C	11'	1. Barograph ML-3 2. Theodolite ML-78 3. Weathervision (GMQ-19A (V)) 4. Pilot/FCSTR Service 5. Weather radar AN/FPS-106(V) 6. Wind recorder RD-108B/UMQ-5
2.	1965	Replacement	ML/400C/ UMQ-5C	"	15'	
3.	1976	900' south of runway 3R-21L and 500' south of taxiway C	"	AN/GMQ-29A		

78 11 30 037

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).

2. All available data will be used for extreme values.

3. Summarize (update) every five years.

   a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.

   b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.

   c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.

   d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

NWSD, Federal Building

Asheville, N. C.

PART A WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
2. By month and annual, all hours and years combined, by wind direction.
3. By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		.6				.6	.6			.6	1.3	155
	04		1.9				1.9	1.3				1.3	155
	07		.6				.6	1.3				1.3	155
	10		.6				.6				1.3	1.3	155
	13		1.3				1.3				.6	.6	155
	16		.6				.6				2.6	2.6	155
	19		1.3				1.3				1.9	1.9	155
	22		.6				.6						155
TOTALS			.9				.9	.4			.9	1.3	1240

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1277 2096-54321

WEATHER CONDITIONS

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01		2.8				2.8						141
	04	.7	2.1				2.1	.7				.7	141
	07		2.1				2.1	.7				.7	141
	10		2.1				2.1				.7	.7	141
	13	.7	2.1				2.1				2.1	2.1	141
	16		2.8				2.8				1.4	1.4	141
	19		2.8				2.8				.7	.7	141
	22		1.4				1.4				.7	.7	141
TOTALS		.2	2.3				2.3	.2			.7	.9	1128

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14177 2096-54321

WEATHER CONDITIONS

23195 STATION — YUMA, ARIZONA STATION NAME — 73-77 YEARS — MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		.6				.6				.6	.6	155
	04		1.3				1.3						155
	07		1.3				1.3						155
	10		.6				.6		1.9			1.9	155
	13		1.3				1.3		1.3		2.6	3.9	155
	16		1.3				1.3				3.2	3.2	155
	19	.6	1.9				1.9				1.9	1.9	155
	22		1.9				1.9				.6	.6	155
TOTALS		.1	1.3				1.3		.4		1.1	1.5	1240

5701 WEATHER CONDITIONS JAN

1427 2096-54321

WEATHER CONDITIONS

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01		.7				.7				.7	.7	150
	04		1.3				1.3						150
	07		.7				.7		.7			.7	150
	10		.7				.7		.7		.7	1.3	150
	13		1.3				1.3				.7	.7	150
	16		1.3				1.3				1.3	1.3	150
	19		.7				.7			.7	2.0	2.0	150
	22		.7				.7				.7	.7	150
TOTALS			.9				.9		.2	.1	.8	.9	1200

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WEATHER CONDITIONS

23195 STATION — YUMA, ARIZONA STATION NAME — 73-77 YEARS — MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01										1.3	1.3	155
	04		.6				.6						155
	07		.6				.6				.6	.6	155
	10		.6				.6				1.9	1.9	155
	13										1.9	1.9	155
	16		.6				.6				1.3	1.3	155
	19										1.3	1.3	155
	22										.6	.6	155
TOTALS			.3				.3				1.1	1.1	1240

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WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01										.7	.7	150
	04										.7	.7	150
	07										.7	.7	150
	10												150
	13												150
	16										.7	.7	150
	19										2.0	2.0	150
	22										1.3	1.3	150
TOTALS											.8	.8	1200

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WEATHER CONDITIONS

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01		.6				.6				.6	.6	155
	04		1.3				1.3						155
	07		.6				.6		.6			.6	155
	10		.6				.6						155
	13	.6	1.3				1.3						155
	16												155
	19	.6	.6				.6				1.9	1.9	155
	22		1.3				1.3				.6	.6	155
TOTALS		.2	.8				.8		.1		.4	.5	1240

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WEATHER CONDITIONS

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01		.6				.6						155
	04	.6	.6				.6				.6	.6	155
	07		.6				.6				.6	.6	155
	10										.6	.6	155
	13		.6				.6						155
	16	.6	1.3				1.3				.6	.6	155
	19	.6	1.9				1.9				.6	.6	155
	22	.6	.6				.6				.6	.6	155
TOTALS		.3	.8				.8				.5	.5	1240

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WEATHER CONDITIONS

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | SEP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.7	1.3				1.3						150
	04		1.3				1.3						150
	07		.7				.7		1.3			1.3	150
	10		.7				.7		.7		.7	1.3	150
	13		.7				.7		.7		.7	1.3	150
	16	2.0	.7				.7				1.3	1.3	150
	19	1.3	2.0				2.0				1.3	1.3	150
	22	1.3	1.3				1.3						150
TOTALS		.7	1.1				1.1		.3		.5	.8	1200

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WEATHER CONDITIONS

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01		.6				.6				1.3	1.3	155
	04												155
	07		.6				.6				.6	.6	155
	10		1.3				1.3		.6		.6	1.3	155
	13		1.3				1.3				1.3	1.3	155
	16	.6	2.6				2.6	.6			1.3	1.9	155
	19		.6				.6				1.3	1.3	155
	22										2.6	2.6	155
TOTALS		.1	.9				.9	.1	.1		1.1	1.3	1240

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WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		.7				.7				.7	.7	150
	04		.7				.7	.7				.7	150
	07		.7				.7	1.3				1.3	150
	10										.7	.7	150
	13										.7	.7	150
	16		1.3				1.3						150
	19		.7				.7				.7	.7	150
	22		.7				.7						150
TOTALS			.6				.6	.3			.4	.6	1200

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WEATHER CONDITIONS

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	01		.6				.6	2.6				2.6	155
	04		.6				.6	3.2				3.2	155
	07		.6				.6	3.2				3.2	155
	10		1.9				1.9	1.9			1.3	3.2	155
	13		2.6				2.6	1.3			.6	1.9	155
	16		2.6				2.6	1.3				1.3	155
	19		1.3				1.3	1.3				1.3	155
	22		1.3				1.3	1.9				1.9	155
TOTALS			1.4				1.4	2.1			.2	2.3	1240

2

WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL		.9				.9	.4			.9	1.3	1240
FEB		.2	2.3				2.3	.2			.7	.9	1128
MAR		.1	1.3				1.3		.4		1.1	1.5	1240
APR			.9				.9		.2	.1	.8	.9	1200
MAY			.3				.3				1.1	1.1	1240
JUN											.8	.8	1200
JUL		.2	.8				.8		.1		.4	.5	1240
AUG		.3	.8				.8				.5	.5	1240
SEP		.7	1.1				1.1		.3		.5	.8	1200
OCT		.1	.9				.9	.1	.1		1.1	1.3	1240
NOV			.6				.6	.3			.4	.6	1200
DEC			1.4				1.4	2.1			.2	2.3	1240
TOTALS		.1	.9				.9	.3	.1	.0	.7	1.0	14608

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5701 WEATHER CONDITIONS JAN

1827 2096-54321

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

23195 STATION | YUMA, ARIZONA STATION NAME | 49-77 YEARS | ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.1	12.9				12.9	2.8	.6		.1	3.1	899
FEB		.9	10.7			.1	10.7	1.2	.4		.9	2.3	819
MAR		.6	9.0			.1	9.0		.6		1.2	1.8	899
APR		.8	6.2			.1	6.2	.1	.7		1.4	2.1	870
MAY		.6	2.7			.1	2.7		.6		.8	1.3	899
JUN		1.0	2.5				2.5		.3		.1	.5	869
JUL		5.5	13.1				13.1	.1	.7		1.7	2.4	899
AUG		6.9	12.2				12.2	.1	.7		2.6	3.2	899
SEP		4.7	7.9				7.9	.1	.9		1.1	2.2	870
OCT		2.3	8.2			.1	8.2	.7	.2		.4	1.3	899
NOV		.6	8.8			.2	8.8	1.0	.5		1.0	2.2	867
DEC		.6	11.9		.3	.1	11.9	3.8	.4		.7	4.9	899
TOTALS		2.0	8.8		.0	.1	8.8	.8	.5		1.0	2.3	10588

5701 WEATHER CONDITIONS JAN 88

12049

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195	YUMA, ARIZONA	JAN 73 -DEC 77	JANUARY	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									.3				.6	99.2
NNE									.8					99.2
NE	1.2													98.8
ENE	3.5	1.8							5.3					89.5
E	5.9													94.1
ESE														100.0
SE														100.0
SSE	2.8												2.8	94.4
S	2.0													98.0
SSW														100.0
SW														100.0
WSW		5.4												94.6
W		1.7											3.2	91.4
WNW													3.8	92.5
NW	1.4	1.4												97.1
NNW														100.0
VARIABLE														
CALM														100.0
TOTAL	7	5							5				8	1212
% TOTAL	.6	.4							.4				.6	97.7

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ. WIND VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 -DEC 77 (YEARS) FEBRUARY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.2								.5	.5			.9	94.4
NNE	1.0													99.0
NE														100.0
ENE	2.4	2.4												95.1
E														100.0
ESE														100.0
SE	5.4	10.8						2.7						83.8
SSE	2.3	2.3												95.3
S		3.6												96.4
SSW														100.0
SW								2.4						97.6
WSW														100.0
W		1.0											1.0	97.9
WNW	2.1													95.7
NW		1.5											1.5	95.5
NNW	1.5												1.5	95.5
VARIABLE														
CALM														100.0
TOTAL	16	10						2	1	1			5	1092
% TOTAL	1.4	.9						.2	.1	.1			.4	96.8

TOTAL NUMBER OF OBSERVATIONS 1,128

NAVWEASERVCOM

5708 % FREQ. WIND DIR. VS WEATHER JAN 68

1205

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 -DEC 77 (YEARS) MARCH (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE	1.9										1.9			96.2
NE														100.0
ENE														100.0
E	6.3	12.5												81.3
ESE														100.0
SE														100.0
SSE	1.5													98.5
S											.9			99.1
SSW	2.1							2.1						97.9
SW		1.3												97.5
WSW													1.2	98.8
W	.5	1.0									1.0		2.9	94.7
WNW	2.2	2.2											3.3	91.2
NW		2.9											4.3	92.8
NNW														100.0
VARIABLE														
CALM														~~100.0~~
TOTAL	7	9						1			4		13	1205
% TOTAL	.6	.7						.1			.3		1.0	97.2

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 - DEC 77 (YEARS) APRIL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.9													99.1
NNE														100.0
NE	2.9													97.1
ENE		11.1												88.9
E	5.9													94.1
ESE		9.1												90.9
SE	2.5													97.5
SSE														100.0
S														100.0
SSW		1.8												98.2
SW														100.0
WSW														99.0
W		.5									.9		1.9	96.8
WNW		1.3										1.3	3.9	93.4
NW														100.0
NNW		3.3												96.7
VARIABLE														
CALM														~~100.0~~
TOTAL	4	7									2	1	7	1178
% TOTAL	.3	.6									.2	.1	.6	98.2

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5 % FREQ. WIND DIR. VS WEATHER JAN 68

1205

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 -DEC 77 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N													2.7	97.3
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE													.7	99.3
S														100.0
SSW														98.8
SW														100.0
WSW														100.0
W		1.8											2.9	94.7
WNW													1.2	95.2
NW		2.4												95.1
NNW														100.0
VARIABLE														
CALM														100.0
TOTAL		4											8	1222
% TOTAL		.3											.6	98.5

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 -DEC 77 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														100.0
ENE														100.0
E														100.0
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														99.2
W													4.2	95.8
WNW														98.1
NW													2.9	97.1
NNW														100.0
VARIABLE														
CALM														100.0
TOTAL													7	1191
% TOTAL													.6	99.3

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER JAN 68

1205

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 - DEC 77 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE		9.5											4.8	85.7
ENE														100.0
E	3.8												3.8	96.2
ESE		2.7						2.7						97.3
SE														100.0
SSE	.4	.4											.4	98.7
S														100.0
SSW		1.4									1.4			95.9
SW														99.0
WSW														100.0
W														100.0
WNW		4.8												95.2
NW		7.1						7.1						92.9
NNW														100.0
VARIABLE														
CALM		5.0												97.0
TOTAL	2	8						2			1		3	1225
% TOTAL	.2	.6						.2			.1		.2	98.8

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5 % FREQ. WIND DIR. VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 - DEC 77 (YEARS) AUGUST (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		2.7						2.7						94.6
NNE														100.0
NE														100.0
ENE	7.1												7.1	92.9
E		5.0												95.0
ESE		4.2						4.2						95.8
SE		1.0												98.0
SSE		.6						.6						98.3
S														99.2
SSW		1.2						1.2						98.8
SW														100.0
WSW	.9	.9											.9	97.4
W														100.0
WNW		2.7												97.3
NW														100.0
NNW														100.0
VARIABLE														
CALM														100.0
TOTAL	2	8						4					2	1223
% TOTAL	.2	.6						.3					.2	98.6

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

3708 % FREQ WIND DIR. VS WEATHER JAN 68

1205

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 -DEC 77 (YEARS) SEPTEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	1.1							2.1			1.1			95.7
NNE		1.6												96.7
NE		3.3						1.7						96.7
ENE	2.8	2.8						2.8					2.8	88.9
E		2.4						2.4						97.6
ESE														100.0
SE		2.1						1.1					1.1	96.8
SSE														100.0
S		1.1											1.6	97.4
SSW								2.3						97.7
SW		1.1												98.9
WSW														100.0
W	1.0							1.0			1.0			96.9
WNW														100.0
NW											3.1			96.9
NNW											9.1			90.9
VARIABLE														
CALM														100.0
TOTAL	3	10						8			4		5	1172
% TOTAL	.3	.8						.7			.3		.4	97.7

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5708 % FREQ. WIND VS WEATHER JAN 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 -DEC 77 (YEARS) OCTOBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		1.6	.5					.5					1.1	97.3
NNE														100.0
NE		1.2												98.8
ENE	2.1	2.1	2.1											95.8
E														100.0
ESE	4.8													95.2
SE														100.0
SSE														100.0
S		1.0												99.0
SSW														100.0
SW														100.0
WSW		1.5											1.5	97.0
W		.8									.8		4.8	92.0
WNW													1.9	94.2
NW														100.0
NNW	2.1								2.1					97.9
VARIABLE														
CALM														~~100.0~~
TOTAL	3	8	2					1	1		1		10	1214
% TOTAL	.2	.6	.2					.1	.1		.1		.8	97.9

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5708 % FREQ. WIND DIR. VS WEATHER JAN 68

1205

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 - DEC 77 (YEARS) NOVEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		.6											.3	99.1
NNE														100.0
NE		1.5												98.5
ENE														100.0
E														100.0
ESE														100.0
SE									5.0					95.0
SSE														100.0
S		2.0							2.0					96.1
SSW														100.0
SW														100.0
WSW														100.0
W		1.0											1.0	97.9
WNW		3.6											1.8	94.5
NW														100.0
NNW														98.8
VARIABLE														
CALM										.8				99.2
TOTAL		7							2	1			3	1186
% TOTAL		.6							.2	.1			.3	98.8

TOTAL NUMBER OF OBSERVATIONS 1,200

NAVWEASERVCOM

5708% FREQ. WIND DIR. VS WEATHER NAVAIR 68

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 - DEC 77 (YEARS) DECEMBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.5		.2						2.0				.7	96.8
NNE	.7								.7	.7				97.8
NE									1.1					98.9
ENE	5.7	2.9							2.9					91.4
E														100.0
ESE	9.1								9.1					81.8
SE		3.8							3.8					92.3
SSE		5.0												95.0
S		2.0							2.0					96.1
SSW									7.7					92.3
SW									10.0					90.0
WSW														100.0
W	5.0								5.0					92.5
WNW	2.3								2.3					97.7
NW	1.3								1.3					98.7
NNW														100.0
VARIABLE														
CALM	2.3								5.1					94.6
TOTAL	13	4	1						25	1			3	1198
% TOTAL	1.0	.3	.1						2.0	.1			.2	96.6

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

5% FREQ. WIND DIR. VS WEATHER JAN 68

12067

2

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 73 - DEC 77 (YEARS) ALL (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	.6	.3	.1					.2	.5	.0	.0		.5	97.8
NNE	.4	.1							.3	.1	.1			98.8
NE	.3	1.0						.2	.2				.2	98.4
ENE	2.3	2.0	.3					.3	1.2				.6	94.2
E	1.3	1.3						.3					.3	97.4
ESE	.9	1.4						.9	.5					97.2
SE	.4	1.1						.3	.3				.1	98.0
SSE	.4	.4						.1					.3	98.8
S	.1	.4							.1		.1		.2	99.1
SSW	.2	.3						.5	.2		.2			98.4
SW		.2						.1	.2					99.2
WSW	.1	.4											.3	98.9
W	.3	.7						.1	.1		.4		2.2	96.1
WNW	.6	1.1							.2			.2	1.7	94.9
NW	.3	1.0						.2	.2		.2		.9	97.3
NNW	.4	.2							.2		.2		.2	98.7
VARIABLE														
CALM	.3	.1							.3	.1				99.2
TOTAL	57	80	3					18	34	3	12	1	74	14318
% TOTAL	.4	.5	.0					.1	.2	.0	.1	.0	.5	98.0

TOTAL NUMBER OF OBSERVATIONS 14,608

NAVWEASERVCOM

5708 % FREQ WIND DIR. VS WEATHER JAN 68

NWSD, Federal Building

Asheville, N. C.

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.

2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

23195 STATION — YUMA, ARIZONA STATION NAME — 48-77 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	87.1	6.2	.9	2.0	.8	1.6	1.0	.3	.1					6.7	899	.36	2.83	.00
FEB	89.3	5.6	.6	1.8	.6	1.1	.6	.2	.1					5.1	819	.22	1.82	.00
MAR	91.0	3.9	.6	1.8	.8	1.6	.2	.2						5.1	899	.16	.95	.00
APR	93.8	3.6	.7	.2	1.0	.2	.2	.1	.1					2.6	870	.13	1.20	.00
MAY	97.3	1.8	.1	.4	.1		.2							.9	899	.03	.37	.00
JUN	97.5	2.0	.1	.3		.1								.6	870	.01	.27	.00
JUL	86.9	9.0	.7	1.7	.6	.4	.4	.2	.1					4.1	899	.17	1.07	TRACE
AUG	87.8	6.7	.7	1.6	1.1	.9	.6	.6	.2					5.6	899	.37	2.96	.00
SEP	92.1	4.5	.6	1.3	.6	.2	.5		.3					3.4	870	.27	2.47	.00
OCT	91.7	4.1	.3	1.6	.5	.6	.6	.2	.2					4.2	930	.33	2.68	.00
NOV	91.5	4.4	.7	1.6	.6	.7	.2	.2	.1					4.1	870	.19	1.66	.00
DEC	87.7	4.9	1.1	1.9	1.3	1.6	1.1	.3						7.3	930	.33	1.67	.00
ANNUAL	91.1	4.7	.6	1.3	.7	.7	.5	.2	.1					4.1	10654	2.57		

NAVWEASERVCOM

15069 L2

5722 Daily Amounts Jan. 1969

2

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
(FROM DAILY OBSERVATIONS)

23195 STATION | YUMA, ARIZONA STATION NAME | 48-77 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														899	.0	.0	.0
FEB	100.0														819	.0	.0	.0
MAR	100.0														899	.0	.0	.0
APR	100.0														870	.0	.0	.0
MAY	100.0														899	.0	.0	.0
JUN	100.0														870	.0	.0	.0
JUL	100.0														899	.0	.0	.0
AUG	100.0														899	.0	.0	.0
SEP	100.0														870	.0	.0	.0
OCT	100.0														930	.0	.0	.0
NOV	99.9	.1													870	TRACE	TRACE	.0
DEC	99.7	.3													930	TRACE	TRACE	.0
ANNUAL	100.0	.0													10654	.0		

NAVWEASERVCOM

5722 Daily Amounts Jan. 1969

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

23195 STATION | YUMA, ARIZONA STATION NAME | 48-77 YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00					
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4			MEAN	GREATEST	LEAST
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														868			
FEB	100.0														819			
MAR	100.0														899			
APR	100.0														870			
MAY	100.0														899			
JUN	100.0														870			
JUL	100.0														899			
AUG	100.0														899			
SEP	100.0														870			
OCT	100.0														930			
NOV	100.0														870			
DEC	100.0														930			
ANNUAL	100.0														10623		X	X

NAVWEASERVCOM

15073

5722 Daily Amounts Jan. 1969

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

23195 STATION — YUMA, ARIZONA STATION NAME — 48-77 YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48										.88	.00	.18	
49	1.58	.02	.02	TRACE	.32	.00	.13	TRACE	TRACE	.18	TRACE	.19	1.58
50	.04	.13	TRACE	TRACE	.00	.00	.36	TRACE	.37	.00	TRACE	TRACE	.37
51	.20	TRACE	TRACE	.29	TRACE	.00	.52	.68	TRACE	.27	.09	.06	.68
52	.15	.23	.24	.23	.00	TRACE	.02	.00	TRACE	.00	.32	.41	.41
53	.01	.10	.18	TRACE	.00	TRACE	TRACE	.02	.00	TRACE	TRACE	TRACE	.18
54	.03	.05	.15	.00	TRACE	TRACE	.08	.02	TRACE	.12	.02	TRACE	.15
55	.39	.01	.00	.00	.00	.00	.31	.67	.00	TRACE		TRACE	
56	.03	.05	.00	TRACE	.00	TRACE	.20	.00	TRACE	TRACE	.00	.00	.20
57	.30	.03	.27	.10	.00	.00	TRACE	.47	.00	1.64	TRACE	.05	1.64
58	TRACE	1.23	.13	.01	.05	TRACE	1.06	.06	TRACE	.49	.08	.00	1.23
59	.02	.13	TRACE	.01	.03	.00	.11	.10	.02	.03	.01	.41	.41
60	.44	.04	.03	TRACE	.01	.02	TRACE	.01	.39	TRACE	TRACE	.11	.44
61	.18	TRACE	.01	.00	TRACE	TRACE	.02	.16	.00	TRACE	.07	.85	.85
62	.47	.04	.13	.00	TRACE	TRACE	TRACE	TRACE	TRACE	.05	.04	.24	.47
63	.50	.13	.16	TRACE	.00	.00	.05	.03	2.42	.70	.08	.00	2.42
64	TRACE	.11	TRACE	.78	TRACE	.00	.02	.44	TRACE	.13	.20	.09	.78
65	.55	.38	.02	1.07	.37	.00	.03	.02	.00	.00	.22	.49	1.07
66	.36	.14	.03	TRACE	.00	TRACE	.10	.08	.02	.03	TRACE	.02	.36
67	.25	.00	.07	TRACE	TRACE	TRACE	.01	.23	1.49	.00	1.38	.28	1.49
68	TRACE	.27	.26	TRACE	.00	.00	.54	.10	.00	TRACE	TRACE	.04	.54
69	.51	.03	.02	.08	.05	.00	TRACE	TRACE	.20	.01	.84	.50	.84
70	TRACE	.56	.58	TRACE	.00	.00	TRACE	1.14	.01	.02	.02	.01	1.14
71	.04	.03	.00	.10	TRACE	.00	TRACE	.52	1.27	TRACE	.00	.10	1.27
72	.00	.00	.00	TRACE	TRACE	.23	.01	.26	.00	2.16	.14	.03	2.16
73	.02	.28	.62	TRACE	.00	.00	TRACE	.25	.00	.00	.04	.00	.62
74	.24	.00	.12	.00	TRACE	.00	.04	TRACE	.06	.09	.00	.11	.24
75	TRACE	.01	.12	.26	.00	.00	.10	TRACE	.09	.00	.03	.22	.26
76	.03	.63	.02	.23	.09	.00	.20	.00	.17	.35	.37	.64	.64
77	.02	.01	.04	TRACE	.02	.02	.08	2.05	.41	.24	TRACE	.35	2.05
MEAN	.22	.16	.11	.11	.03	.01	.14	.25	.24	.25	.14	.18	.87
S. D.	.323	.263	.160	.247	.089	.042	.232	.443	.553	.504	.296	.221	.641
TOTAL OBS.	899	819	899	870	899	870	899	899	870	930	870	930	10654

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 48-77 (YEARS)

197363

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48									TRACE 19				PRECIP DAYS
55											TRACE 29		PRECIP DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 48-77 (YEARS)

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48										.0	.0	.0	
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	
56	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
58	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
60	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
62	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	TRACE	TRACE	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	899	819	899	870	899	870	899	899	870	930	870	930	10654

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

23195 STATION — YUMA, ARIZONA STATION NAME — 48-77 YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48									.0 19				SNOFALL DAYS
55											.0 29		SNOFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

197367

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

23195 STATION | YUMA, ARIZONA STATION NAME | 48-77 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48										0	0	0	
49	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0		0	
56		0	0	0	0	0	0	0	0	0	0	0	
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	868	819	899	870	899	870	899	899	870	930	870	930	10623

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

23195 STATION | YUMA, ARIZONA STATION NAME | 48-77 YEARS

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48									0 19				SNO DPTH DAYS
55											0 29		SNO DPTH DAYS
56	0 30												SNO DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

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19737 1
□2
5723 Extreme Values Jan 1969

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NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

23195 STATION | YUMA, ARIZONA STATION NAME | 1949-1977 YEARS

JANUARY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1977*			
2	0.50	13	1963			
3	0.39	10	1955			
4	0.02	1	1973			
5	0.23	6	1974			
6	0.55	14	1965			
7	0.39	10	1955			
8	0.17	4	1974			
9	T	T	1949			
10	T	T	1970*			
11	0.44	11	1960			
12	1.58	40	1949			
13	0.34	9	1949			
14	0.51	13	1969			
15	0.12	3	1960			
16	0.03	1	1955			
17	0.36	9	1966			
18	0.15	4	1952			
19	0.03	1	1954			
20	0.03	1	1966*			
21	0.12	3	1969			
22	T	T	1976*			
23	0.25	6	1967			
24	0.76	19	1949			
25	0.07	2	1949			
26	0.18	5	1961			
27	T	T	1968*			
28	0.01		1956			
29	0.30	8	1957			
30	0.13	3	1951			
31	0.03	1	1956			
Monthly	1.58	40	1949			

FEBRUARY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2	T	T	1960*			
3	0.09	2	1958			
4	0.39	10	1958			
5	0.09	2	1976			
6	0.38	10	1965			
7	0.03	1	1966			
8	0.11	3	1976			
9	0.39	10	1976			
10	0.56	14	1970			
11	0.12	3	1973			
12	T	T	1959			
13	0.63	16	1976			
14	0.05	1	1954			
15	T	T	1959			
16	0.11	3	1964			
17	0.03	1	1971			
18	T	T	1969			
19	0.11	3	1958			
20	1.23	31	1958			
21	0.28	7	1973			
22	T	T	1969*			
23	0.10	3	1953			
24	0.01		1977			
25	T	T	1962*			
26	0.13	3	1950			
27	0.02	1	1949			
28	T	T	1960*			
29	0.04	1	1960			
30						
31						
Monthly	1.23	31	1958			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5924 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

23195 (STATION) YUMA, ARIZONA (STATION NAME) 1949-1977 (YEARS)

MARCH (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.58	15	1970			
2	0.26	7	1968			
3	0.02	1	1976			
4	T	T	1961*			
5	0.17	4	1970			
6	0.13	3	1958			
7	T	T	1973*			
8	0.12	3	1974			
9	0.13	3	1973			
10	0.02	1	1975*			
11	0.62	16	1973			
12	0.12	3	1958			
13	T	T	1952			
14	0.14	4	1973			
15	T	T	1965			
16	0.06	2	1952			
17	0.16	4	1963			
18						
19	0.27	7	1957			
20	T	T	1974*			
21	0.09	2	1954			
22	0.15	4	1954			
23	0.03	1	1960			
24	0.03	1	1966			
25	0.04	1	1977			
26	T	T	1975*			
27	0.03	1	1966*			
28	0.01		1961			
29	0.07	2	1967			
30						
31	T	T	1949			
Monthly	0.62	16	1973			

APRIL (MONTH)

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.02	1	1965			
2	0.01		1965			
3	1.07	27	1965			
4	0.29	7	1951			
5	T	T	1951			
6						
7	0.01		1965*			
8						
9	0.26	7	1975			
10	0.08	2	1969			
11	T	T	1972*			
12	T	T	1967*			
13	0.08	2	1976			
14	0.25	6	1976			
15	0.10	3	1971			
16	T	T	1976*			
17	T	T	1970*			
18	T	T	1956			
19	0.09	2	1952*			
20	T	T	1952			
21	0.10	3	1957			
22						
23						
24						
25	0.01		1951			
26	0.01		1959			
27	T	T	1970*			
28	0.78	20	1964			
29	0.01		1951			
30						
31						
Monthly	1.07	27	1965			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

5724 DAILY AMOUNTS MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

23195 STATION | YUMA, ARIZONA STATION NAME | 1949-1977 YEARS

MAY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2						
3	0.01		1960			
4	T	T	1969			
5	0.05	1	1969			
6	T	T	1971*			
7	0.09	2	1976			
8						
9	T	T	1977			
10	0.05	1	1958			
11						
12						
13	T	T	1977			
14	T	T	1951			
15						
16	T	T	1962			
17	0.32	8	1949			
18	T	T	1954			
19						
20	0.03	1	1959			
21						
22						
23	T	T	1974*			
24	0.02	1	1977			
25	T	T	1964			
26	T	T	1961			
27	T	T	1972			
28						
29	T	T	1972			
30						
31	0.37	9	1965			
Monthly	0.37	9	1965			

JUNE MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1956			
2	T	T	1960*			
3	T	T	1960			
4	0.02	1	1960			
5	0.23	6	1972			
6	0.03	1	1972			
7	0.01		1972			
8	0.02	1	1977			
9	T	T	1977			
10						
11						
12	T	T	1953			
13						
14						
15	T	T	1958			
16	T	T	1958			
17						
18						
19	T	T	1967*			
20	T	T	1958			
21	T	T	1972			
22						
23	T	T	1961			
24	T	T	1961*			
25						
26						
27						
28	T	T	1962			
29						
30						
31						
Monthly	0.23	6	1972			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

23195 STATION | YUMA, ARIZONA STATION NAME | 1949-1977 YEARS

JULY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1						
2	0.13	3	1949			
3	T	T	1977*			
4	T	T	1970*			
5	0.32	8	1968			
6	0.54	14	1968			
7	0.36	9	1950			
8	0.05	1	1950			
9	0.05	1	1963			
10	0.03	1	1966			
11	T	T	1976			
12	T	T	1954*			
13	T	T	1967*			
14	0.08	2	1977			
15	T	T	1971*			
16	T	T	1971*			
17	0.02	1	1954			
18	T	T	1955*			
19	0.01		1974			
20	T	T	1974*			
21	T	T	1967*			
22	0.05	1	1976			
23	0.26	7	1950			
24	0.31	8	1955			
25	T	T	1966*			
26	0.20	5	1976			
27	0.05	1	1968			
28	0.52	13	1951			
29	0.10	3	1966			
30	1.06	27	1958			
31	0.03	1	1955			
Monthly	1.06	27	1958			

AUGUST MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.44	11	1964			
2	0.11	3	1971			
3	0.16	4	1961			
4	0.10	3	1968			
5	0.03	1	1963			
6	0.13	3	1967			
7	0.10	3	1959			
8	T	T	1969*			
9	T	T	1972*			
10	0.10	3	1971			
11	0.67	17	1955			
12	T	T	1957			
13	0.02	1	1973			
14	0.67	17	1977			
15	2.05	52	1977			
16	0.24	6	1977			
17	0.26	7	1957			
18	0.06	2	1961			
19	0.30	8	1957			
20	0.47	12	1957			
21	0.52	13	1971			
22	0.03	1	1971			
23	0.54	14	1955			
24	0.01		1967			
25						
26	1.14	29	1970			
27	0.15	4	1951			
28	0.68	17	1951			
29	0.26	7	1972			
30	T	T	1973*			
31	0.23	6	1967			
Monthly	2.05	52	1977			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

23195 STATION | YUMA, ARIZONA STATION NAME | 1948-1977 YEARS

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.43	11	1967			
2	1.49	38	1967			
3	0.04	1	1967			
4	0.05	1	1963			
5	0.37	9	1950			
6	0.08	2	1950			
7	T	T	1950*			
8	T	T	1976			
9	T	T	1976			
10	0.17	4	1976			
11	0.02	1	1977*			
12	T	T	1958			
13	0.03	1	1974			
14	0.02	1	1966			
15	T	T	1948			
16	T	T	1967*			
17	2.42	61	1963			
18						
19	T	T	1974*			
20	T	T	1974*			
21	0.06	2	1974			
22	0.03	1	1977			
23	0.10	3	1976			
24	T	T	1976			
25	0.01		1976			
26	T	T	1952			
27	0.41	10	1977			
28	T	T	1951			
29	1.27	32	1971			
30	0.09	2	1975			
31						
Monthly	2.42	61	1963			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.02	1	1970			
2	0.12	3	1954			
3	0.03	1	1966			
4	T	T	1966*			
5	0.49	12	1958			
6	2.16	55	1972			
7						
8	T	T	1961			
9						
10	T	T	1968			
11	0.05	1	1957			
12	0.03	1	1948			
13	T	T	1957			
14	0.13	3	1964			
15	0.04	1	1964			
16	0.10	3	1949			
17	0.88	22	1948			
18	0.70	18	1963			
19	0.12	3	1963			
20	0.01		1972			
21	0.01		1969			
22	0.35	9	1976			
23	T	T	1974*			
24	0.03	1	1958			
25	0.05	1	1958			
26						
27	0.45	11	1957			
28	1.64	42	1957			
29	T	T	1974*			
30	0.27	7	1951			
31	0.45	11	1957			
Monthly	2.16	55	1972			

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET–SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

23195 STATION | YUMA, ARIZONA STATION NAME | 1948-1977 YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.03	1	1963	T	T	1963
2	T	T	1959			
3						
4	T	T	1966			
5	T	T	1960*			
6	T	T	1977*			
7	0.02	1	1952			
8	0.07	2	1961			
9	0.84	21	1969			
10	0.62	16	1969			
11	0.02	1	1954			
12	0.37	9	1976			
13	0.02	1	1976			
14	T	T	1965*			
15	0.20	5	1969			
16	0.14	4	1972*			
17	0.16	4	1965			
18	0.20	5	1964			
19	0.03	1	1967			
20	0.08	2	1963			
21	0.08	2	1963			
22	0.22	6	1965			
23	0.09	2	1951			
24	0.01		1951			
25	0.01		1961			
26	1.38	35	1967			
27	T	T	1975			
28	0.03	1	1975			
29	0.02	1	1970			
30	0.32	8	1952			
31						
Monthly	1.38	35	1967	T	T	1963

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	T	T	1962			
2	0.17	4	1969			
3	0.50	13	1969			
4	0.11	3	1974			
5	T	T	1966			
6	T	T	1966*			
7	0.03	1	1971			
8	0.41	10	1959			
9	0.24	6	1965			
10	0.12	3	1965*			
11	0.02	1	1961			
12	0.05	1	1951			
13	0.22	6	1975	T	T	1967
14	0.85	22	1961	T	T	1967
15	0.56	14	1961			
16	0.49	12	1965	T	T	1967
17	0.41	10	1952			
18	0.28	7	1952			
19	0.28	7	1967			
20	0.26	7	1952			
21	0.11	3	1965			
22	0.28	7	1965			
23	0.07	2	1975			
24	0.38	10	1959			
25	0.35	9	1977			
26	0.10	3	1977			
27	0.04	1	1948			
28	0.08	2	1977			
29	0.01		1971*			
30	0.06	2	1951			
31	0.64	16	1976			
Monthly	0.85	22	1961	T	T	1967

* ALSO ON EARLIER YEARS
T – TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

NWSD, Federal Building

Asheville, N. C.

PART C SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

   NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

   A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

   a. Three tables are prepared for all surface winds included, and for all years combined as follows:

      (1) Annual - all hours combined

      (2) By month - all hours combined

      (3) By month - by standard 3-hour groups

   b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

23195 STATION — YUMA, ARIZONA STATION NAME — 58, 75-77 YEARS

DAILY PEAK GUSTS IN KNUTS

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48													
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75						W 38	22 50	SE 33	33 34	W 37	5 26	11 28	
76	22 27	SE 30	11 32	W 35	SE 30	SE 25	W 34	S 28	SE 66	22 34	11 33	NW 37	SE 66
77	W 26	NW 32	NW 37	W 25	S 29	W 28	SE 38		22 26	SE 28	W 32	11 27	
MEAN	26.5	31.0	34.5	30.0	29.5	30.3	40.7	30.5	44.0	33.0	30.3	30.7	66.0
S. D.													
TOTAL OBS.	62	57	62	60	60	90	93	62	90	93	90	93	912

NAVWEASERVCOM

197355

5723 Extreme Values Jan 1969

2

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

23195 STATION — YUMA, ARIZONA STATION NAME — 58, 75-77 YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48									0	0	0	0	WINDS DAYS
49	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
50	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
51	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
52	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
53	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
54	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
55	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
56	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
57	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
58	0	0	0	0	0	0	0	0	0	0	0	1	WINDS DAYS
59	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
60	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
61	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	WINDS DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SURFACE WINDS
(FROM DAILY OBSERVATIONS)

23195 YUMA, ARIZONA 58, 75-77
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
63	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
64	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
65	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
66	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
67	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
68	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
69	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
70	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
71	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
72	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
73	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
74	0	0	0	0	0	0	0	0	0	0	0	0	WINDS
													DAYS
75	0	0	0	0	W 38								WINDS
					12								DAYS
77								SE 58					WINDS
								27					DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

197359
5223 Extreme Values Jan 1969

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	16.1	10.3	2.6	.6							30.3	6.8
NNE	1.9	6.5										8.4	4.6
NE	1.3	4.5										5.8	4.1
ENE	.6	5.2	.6									6.5	4.7
E		.6										.6	5.0
ESE		1.9										1.9	4.3
SE	1.3		1.3	.6								3.2	8.0
SSE	.6	.6	.6	1.3								3.2	7.2
S	.6	1.3	.6									2.6	5.5
SSW	.6	1.9										2.6	4.0
SW		.6										.6	4.0
WSW	1.3			.6								1.9	6.0
W	.6	1.3	.6	.6								3.2	7.6
WNW	.6		1.3	.6								2.6	8.3
NW	.6	1.3	2.6	.6								5.2	7.3
NNW	.6	3.9	1.9	1.9								8.4	7.3
VARBL													
CALM												12.9	
	11.6	45.8	20.0	9.0	.6							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	11.0	13.5	3.2	.6							31.0	7.2
NNE	1.9	8.4	3.9	.6								14.8	5.7
NE	.6	7.1	1.9									9.7	5.5
ENE	2.6	3.9	.6									7.1	4.6
E		1.9										1.9	4.3
ESE		.6										.6	5.0
SE	.6	.6		.6								1.9	6.7
SSE		.6										.6	5.0
S	.6			.6								1.3	7.0
SSW		1.3										1.3	4.0
SW													
WSW	.6		.6									1.3	5.0
W	.6	1.9	1.9	.6								5.2	7.3
WNW	.6	.6	.6									1.9	6.3
NW			3.2	.6								3.9	9.2
NNW		.6	1.9	.6								3.2	8.0
VARBL													
CALM												14.2	
	11.0	38.7	28.4	7.1	.6							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	10.3	16.1	1.9								31.6	6.8
NNE	3.2	8.4	7.1	.6								19.4	6.1
NE	.6	3.9	1.3	.6								6.5	6.3
ENE	1.3	3.2	1.9									6.5	4.9
E													
ESE		1.3										1.3	4.5
SE		.6		.6								1.3	7.5
SSE		.6	.6	.6								1.9	8.3
S	.6		.6									1.3	5.0
SSW													
SW	.6	.6										1.3	4.5
WSW		.6	.6									1.3	6.5
W		.6	1.9									2.6	6.8
WNW	.6	.6	1.3									2.6	5.5
NW	.6	1.9	3.9	.6								7.1	7.0
NNW		2.6	2.6	1.3								6.5	8.2
VARBL													
CALM												9.0	
	11.0	35.5	38.1	6.5								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	5.2	13.5	12.3	3.2							34.8	10.5
NNE		1.3	12.3	3.2	.6							17.4	9.2
NE	1.9	2.6	10.3	4.5								19.4	8.7
ENE	.6	1.3	.6	.6								3.2	6.8
E		1.3										1.3	5.0
ESE		1.9										1.9	4.7
SE		1.3	.6									1.9	7.0
SSE			.6		.6							1.3	12.5
S		2.6	1.9									4.5	6.4
SSW	.6											.6	3.0
SW			.6									.6	8.0
WSW													
W		.6		1.3								1.9	10.7
WNW				1.9								1.9	13.7
NW		.6	1.3	.6								2.6	8.5
NNW		1.3	1.3	1.3								3.9	8.0
VARBL													
CALM												2.6	
	3.9	20.0	43.2	25.8	4.5							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		4.5	13.5	10.3	3.9							32.3	11.0
NNE		1.9	8.4	1.9								12.3	8.2
NE		1.9	3.9	.6								6.5	7.7
ENE		3.9	.6	1.3								5.8	7.0
E	.6	.6	.6									1.9	5.7
ESE			.6									.6	7.0
SE		.6	.6	.6								1.9	7.7
SSE		.6	1.9	.6								3.2	9.2
S	.6	1.9	3.2	1.3								7.1	7.7
SSW		.6	1.3									1.9	8.3
SW		.6	.6	.6								1.9	9.3
WSW				1.9								1.9	11.3
W		2.6	3.9	.6	.6							7.7	7.9
WNW		1.3		1.9	.6							3.9	10.7
NW		.6	1.3									1.9	7.0
NNW			3.9	4.5	.6							9.0	11.6
VARBL													
CALM												.0	
	1.3	21.9	44.5	26.5	5.8							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	7.1	18.7	7.1								33.5	8.7
NNE		2.6	1.9	.6								5.2	6.8
NE	.6	1.3	1.3		.6							3.9	8.0
ENE	.6	1.3	.6									2.6	5.3
E			.6									.6	9.0
ESE	1.3											1.3	3.0
SE		1.9										1.9	6.0
SSE		.6	1.9	1.3	.6							4.5	10.7
S	.6	2.6	1.3									4.5	6.0
SSW		1.3	1.3									2.6	6.5
SW	.6	2.6	1.3									4.5	5.0
WSW	.6	3.9	.6									5.2	4.9
W		1.9	1.9	1.9								5.8	5.9
WNW	.6	.6	1.9	1.3	.6							5.2	9.8
NW		1.3	1.9	1.9								5.2	9.6
NNW		3.2	7.7	2.6								13.5	8.7
VARBL													
CALM												.0	
	5.8	32.3	43.2	16.8	1.9							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	13.5	4.5	1.9	.6							21.3	6.7
NNE													
NE		1.9										1.9	4.0
ENE		1.3	.6									1.9	7.0
E		1.9										1.9	4.7
ESE		.6										.6	4.0
SE		1.3	.6			.6						2.6	9.5
SSE		.6	1.3									1.9	7.0
S	2.6	3.9	1.3									7.7	4.8
SSW	.6	.6										1.3	4.0
SW	1.3	.6	.6									2.6	4.5
WSW	1.3	2.6										3.9	4.2
W	.6	2.6	1.9	.6	.6							6.5	8.1
WNW	1.9	4.5	2.6									9.0	4.9
NW	1.3	7.1	4.5	.6								13.5	5.8
NNW	1.3	7.1	7.7									16.1	6.3
VARBL													
CALM												7.1	
	11.6	50.3	25.8	3.2	1.3	.6						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

ALL WEATHER (CLASS) | 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	9.7	7.1	1.3								18.7	6.7
NNE	1.3	3.9	.6									5.8	4.9
NE		1.3										1.3	5.0
ENE	.6	1.9	.6									3.2	5.6
E		2.6										2.6	4.0
ESE	.6	1.3										1.9	3.7
SE			1.9									1.9	8.3
SSE		4.5	1.9									6.5	6.1
S		2.6	.6									3.2	5.6
SSW		2.6										2.6	5.0
SW	.6	1.9										2.6	4.8
WSW	5.8	1.9	.6									8.4	3.6
W	1.3	1.3	1.3	.6								4.5	6.9
WNW	.6	3.9	1.9	.6								7.1	6.4
NW	.6	1.9	3.2									5.8	6.9
NNW	.6	3.9	2.6	.6								7.7	6.6
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	16.1	
	12.9	45.2	22.6	3.2								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS)

ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	9.7	12.2	5.1	1.1							29.2	8.2
NNE	1.0	4.1	4.3	.2	.1							10.4	6.8
NE	.5	3.1	2.3	.7	.1							6.9	6.9
ENE	.8	2.7	.8	.2								4.6	5.5
E	.1	1.1	.2									1.4	4.9
ESE	.2	1.0	.1									1.3	4.3
SE	.2	.8	.6	.3		.1						2.1	7.7
SSE	.1	1.0	1.1	.5	.2							2.9	8.2
S	.7	1.9	1.2	.2								4.0	6.1
SSW	.2	1.0	.3									1.6	5.3
SW	.4	.9	.4	.1								1.8	5.5
WSW	1.2	1.1	.3	.3								3.0	5.0
W	.4	1.6	1.7	.8	.2							4.7	7.9
WNW	.6	1.5	1.2	.8	.2							4.3	7.5
NW	.4	1.9	2.7	.6								5.6	7.2
NNW	.3	2.8	3.7	1.6	.1							8.5	8.0
VARBL													
CALM												7.7	
	8.6	36.2	33.2	12.3	1.9	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	5.0	4.3	.7								11.3	6.3
NNE	2.1	2.8	.7									5.7	4.5
NE	1.4	1.4										2.8	3.5
ENE	2.1	2.8										5.0	3.6
E													
ESE	.7	2.1		.7								3.5	6.0
SE		4.3	2.1									6.4	5.6
SSE		3.5	1.4	.7								5.7	6.5
S	2.1	2.1	.7									5.0	4.9
SSW													
SW		.7										.7	4.0
WSW	2.1	1.4	.7									4.3	4.2
W	1.4	3.5	2.1	.7								7.8	5.8
WNW				.7								.7	14.0
NW		1.4	1.4	1.4								4.3	8.7
NNW		4.3	3.5	.7								8.5	7.5
VARBL													
CALM												28.4	
	13.5	35.5	17.0	5.7								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.3	9.9	5.0	.7	.7							20.6	5.9
NNE	2.1	6.4	1.4									9.9	4.9
NE	1.4	5.0	.7									7.1	4.7
ENE		4.3										4.3	4.8
E		3.5										3.5	4.6
ESE	.7	2.1	1.4									4.3	5.8
SE	2.1	.7	.7	1.4								5.0	7.3
SSE	2.1	1.4										3.5	3.6
S	1.4	1.4										2.8	4.0
SSW													
SW	.7	1.4	.7									2.8	4.8
WSW	2.8											2.8	3.0
W	.7	2.1	1.4	.7								5.0	6.6
WNW		.7		.7	.7							2.1	11.7
NW		4.3		.7								5.0	6.0
NNW			1.4	1.4								2.8	9.8
VARBL													
CALM												18.4	
	18.4	43.3	12.8	5.7	1.4							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 00 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.5	9.9	11.3	.7	.7							26.2	6.9
NNE	1.4	10.6	2.8									14.9	5.0
NE	.7	7.8	3.5									12.1	5.3
ENE	2.1	2.8	1.4									6.4	4.7
E	1.4	3.5	.7									5.7	4.5
ESE		.7										.7	5.0
SE	1.4			1.4								2.8	8.0
SSE	.7			1.4								2.1	9.7
S													
SSW													
SW	.7	.7										1.4	4.5
WSW	2.1											2.1	3.0
W	.7	1.4	1.4									3.5	6.2
WNW			.7	.7								1.4	10.0
NW		2.8	2.1	.7								5.7	7.1
NNW		.7	.7									1.4	6.5
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	13.5	
	14.9	41.1	24.8	5.0	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		5.0	9.9	9.2	2.8	1.4						28.4	11.1
NNE	.7	5.0	7.1	1.4								14.2	7.5
NE	.7	7.8	4.3	4.3								17.0	7.8
ENE	.7	.7	1.4	.7								3.5	6.6
E	1.4	.7		1.4								3.5	6.4
ESE	.7											.7	3.0
SE	.7		2.1	.7								3.5	8.2
SSE		.7	1.4	1.4	.7							4.3	12.2
S	.7	1.4	1.4									3.5	6.4
SSW													
SW													
WSW													
W	1.4	1.4	1.4	1.4	.7							6.4	9.1
WNW			.7	2.1	.7							3.5	13.6
NW	.7		1.4		.7							2.8	10.5
NNW		1.4		2.8	.7							5.0	10.6
VARBL													
CALM												3.5	
	7.8	24.1	31.2	25.5	6.4	1.4						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	4.3	7.1	5.0	2.8	.7						20.6	10.6
NNE	.7	3.5	8.5	1.4	.7							14.9	7.9
NE		5.0	3.5									8.5	6.2
ENE	.7	1.4	1.4	1.4								5.0	8.1
E		1.4										1.4	5.0
ESE	.7											.7	3.0
SE		.7	.7	.7								2.1	10.3
SSE		1.4	.7		.7							2.8	9.3
S		4.3	1.4	2.8	2.1							10.6	10.0
SSW		.7		.7								1.4	8.5
SW	1.4	2.1										3.5	4.0
WSW	.7	.7	2.1	.7	.7							5.0	9.1
W		1.4	1.4	1.4								4.3	8.8
WNW				1.4	.7							2.1	13.3
NW		2.8	3.5	2.8	.7							9.9	9.3
NNW			2.1	1.4	1.4	.7						5.7	13.8
VARBL													
CALM												1.4	
	5.0	29.8	32.6	19.9	9.9	1.4						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		5.0	5.7	6.4	2.1							19.1	10.3
NNE	.7	2.8	2.1	.7								6.4	6.6
NE	.7	5.0										5.7	4.6
ENE		1.4	.7									2.1	5.3
E	.7	.7										1.4	4.5
ESE	.7	1.4										2.1	4.3
SE	.7		.7									1.4	6.0
SSE		.7	2.1		.7							3.5	10.0
S	.7	2.1	1.4	.7	.7							5.7	8.4
SSW		1.4		1.4								2.8	9.3
SW	.7	2.1	2.8	.7	.7							7.1	8.0
WSW	.7	3.5	1.4									5.7	5.4
W	2.1	3.5	4.3	3.5								13.5	7.7
WNW	.7	3.5	.7	.7								5.7	6.6
NW		1.4	3.5	.7								5.7	7.6
NNW		.7	6.4	3.5								10.6	9.6
VARBL													
CALM												1.4	
	8.5	35.5	31.9	18.4	4.3							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

ALL WEATHER (CLASS) | 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	7.8	7.1	.7								16.3	6.7
NNE		1.4	1.4									2.8	6.8
NE	1.4											1.4	3.0
ENE		.7										.7	6.0
E		.7										.7	6.0
ESE													
SE			.7	.7								1.4	12.0
SSE			.7	1.4								2.1	10.7
S		2.1	2.1									4.3	5.8
SSW		2.1	2.1									4.3	6.0
SW	2.8	6.4										9.2	4.5
WSW	2.1	4.3	1.4									7.8	4.8
W	.7	8.5	2.8	.7								12.8	6.0
WNW	.7	4.3	5.0	1.4								11.3	7.2
NW	1.4	4.3	3.5									9.2	5.9
NNW		4.3	2.8									7.1	5.5
VARBL													
CALM												8.5	
	9.9	46.8	29.0	5.0								100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	5.0	2.8	1.4								10.6	6.8
NNE		2.1										2.1	5.0
NE	.7	.7										1.4	3.5
ENE	.7	1.4										2.1	4.3
E	1.4	1.4	.7									3.5	4.8
ESE	.7											.7	3.0
SE			1.4	2.1								3.5	11.6
SSE	.7	2.8	2.1	.7								6.4	6.9
S	2.1	3.5	1.4									7.1	4.7
SSW	.7	.7										1.4	3.5
SW	2.1	2.1	.7									5.0	4.9
WSW	1.4	3.5	1.4									6.4	4.9
W	2.8	8.5	2.8	1.4								15.6	5.9
WNW	1.4	2.8	.7	1.4								6.4	7.0
NW		1.4	2.1	.7								4.3	8.2
NNW	.7	2.1	2.8									5.7	6.3
VARBL													
CALM												17.7	
	17.0	38.3	19.1	7.8								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	6.5	6.6	3.1	1.2	.3						19.1	8.4
NNE	1.0	4.3	3.0	.4	.1							8.9	6.3
NE	.9	4.1	1.5	.5								7.0	5.8
ENE	.8	2.0	.6	.3								3.6	5.4
E	.6	1.5	.2	.2								2.5	5.0
ESE	.5	.8	.2	.1								1.6	5.1
SE	.6	.7	1.1	.9								3.3	8.1
SSE	.4	1.3	1.1	.7	.3							3.8	8.2
S	.9	2.1	1.1	.4	.4							4.9	6.9
SSW	.1	.6	.3	.3								1.2	6.9
SW	1.1	2.0	.5	.1	.1							3.7	5.4
WSW	1.5	1.7	.9	.1	.1							4.3	5.2
W	1.2	3.6	2.2	1.2	.1							8.6	6.8
WNW	.4	1.4	1.0	1.2	.3							4.2	8.7
NW	.3	2.3	2.2	.9	.2							5.9	7.7
NNW	.1	1.7	2.5	1.2	.3	.1						5.9	8.7
VARBL													
CALM												11.6	
	11.9	36.8	24.9	11.6	2.8	.4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1128

DIRNAVOCEANMET SMOS

0800 5702 SURFACE WINDS JAN 78 0800 0800

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.9	1.9	1.3								7.1	7.5
NNE	.6											.6	3.0
NE	1.3	.6										1.9	3.3
ENE	.6	1.3										1.9	4.0
E		1.3										1.3	4.5
ESE		.6										.6	5.0
SE	.6	1.9	1.9	1.3		.6						6.5	9.1
SSE	.6	3.2	3.2	.6	.6							8.4	7.7
S	2.6	3.9	1.3									7.7	4.5
SSW	1.3	1.3	.6									3.2	4.4
SW	1.3	5.2	.6									7.1	5.2
WSW	1.9	2.6	1.9									6.5	5.0
W	.6	5.2	2.6	3.2								11.6	7.8
WNW	1.3	2.6	2.6	1.3								7.7	6.9
NW	.6	2.6	1.9									5.2	6.5
NNW		.6	1.3	.6								2.6	8.0
VARBL													
CALM												20.0	
	13.5	36.8	20.0	8.4	.6	.6						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	10.3	2.6	1.9								16.8	6.0
NNE	3.2	2.6	.6									6.5	4.2
NE	1.9	1.3	.6									3.9	4.7
ENE	3.2	3.2										6.5	3.8
E	1.3	1.3										2.6	4.3
ESE	1.3	1.3										2.6	3.8
SE		2.6		.6								3.2	5.8
SSE		1.9	3.2	.6								5.8	8.2
S	1.3	4.5	3.2									9.0	5.4
SSW	.6	1.9	.6									3.2	4.6
SW		.6										.6	4.0
WSW	1.3	1.9										3.2	3.8
W	1.3	2.6	2.6	.6								7.1	6.7
WNW		1.9	3.9	3.2								9.0	9.3
NW		.6	1.9	.6								3.2	7.6
NNW		.6	1.9									2.6	7.5
VARBL													
CALM												14.7	
	17.4	39.4	21.3	7.7								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	7.1	7.7	1.9	.6							20.0	7.3
NNE	1.9	3.2	2.6									7.7	5.1
NE	1.9	3.2	1.3									6.5	4.8
ENE	.6	3.9										4.5	5.0
E	.6											.6	3.0
ESE													
SE		.6	2.6		.6							3.9	9.3
SSE	.6	.6	3.2	1.3	.6							6.5	9.2
S	1.9	4.5	2.6									9.0	4.9
SSW	1.3	1.3										2.6	3.8
SW	.6	1.3										1.9	4.0
WSW		.6										.6	5.0
W	1.9	3.2	2.6	1.9								9.7	7.0
WNW		3.2	1.3	2.6								7.1	8.4
NW		1.9	1.9	.6								4.5	7.0
NNW		.6	.6	1.3								2.6	10.0
VARBL													
CALM												12.3	
	14.2	35.5	26.5	9.7	1.9							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.9	4.5	4.5	3.9							16.8	11.0
NNE		2.6	3.9	1.3								7.7	8.1
NE		1.9	3.9		.6							6.5	8.6
ENE			2.6									2.6	8.5
E	.6	.6	.6									1.9	4.7
ESE		.6										.6	5.0
SE	1.3	.6	1.9	1.3								5.2	8.1
SSE		.6	.6		.6							1.9	11.3
S	.6	1.9	3.2	3.2								9.0	9.0
SSW	.6	.6	1.3									2.6	6.8
SW	4.5	1.9	1.9	1.3								9.7	5.6
WSW		1.9	1.3	.6								3.9	7.3
W	1.9	1.9	6.5	3.9								14.2	9.0
WNW			1.3	4.5	.6							6.5	13.1
NW	1.3	2.6	1.3	.6								5.8	6.4
NNW	.6		1.3	1.3								3.2	9.4
VARBL													
CALM												1.9	
	11.6	21.9	36.1	22.6	5.8							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		5.8	4.5	1.3	.6							12.3	7.4
NNE		3.2	3.2	.6								7.1	7.5
NE	.6		3.2									3.9	7.8
ENE			.6									.6	7.0
E	.6	.6										1.3	4.0
ESE													
SE		1.9	.6	1.3								3.9	9.2
SSE		.6		1.3								1.9	9.7
S		2.6	5.2	2.6								10.3	8.7
SSW	1.3	1.9	1.3	.6	.6							5.8	8.1
SW		1.3	7.7	.6								9.7	8.7
WSW		1.3	3.2	3.9								8.4	10.2
W		3.9	6.5	4.5	2.6							17.4	10.0
WNW		.6	.6	1.3	1.3							3.9	12.7
NW	.6	.6	1.3	1.3	1.9							5.8	11.4
NNW	.6	1.3	2.6	1.9								6.5	8.8
VARBL													
CALM												1.3	
	3.9	25.8	40.6	21.3	7.1							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.6	6.5	2.6	.6							12.3	9.2
NNE		.6	1.3									1.9	7.7
NE		1.3	1.9									3.2	6.4
ENE		.6	.6									1.3	6.0
E		.6	.6									1.3	7.0
ESE			.6									.6	7.0
SE	.6	.6			.6							1.9	10.0
SSE			1.3	1.3								2.6	11.3
S	.6	1.3	3.9	1.3	1.3							8.4	9.8
SSW		.6	3.2									3.9	7.2
SW		1.3	5.8	.6								7.7	7.8
WSW		1.9	7.1	1.3								10.3	8.2
W	.6	6.5	7.1	9.7	1.3	1.3						26.5	10.5
WNW		.6	1.3	3.9	1.3							7.1	12.8
NW		1.9	3.2	1.3	.6							7.1	9.0
NNW			1.3	1.9								3.2	12.4
VARBL													
CALM												.6	
	1.9	20.6	45.8	23.9	5.8	1.3						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.2	1.9									5.2	7.0
NNE		1.3	.6									1.9	6.0
NE													
ENE		.6	.6									1.3	6.0
E			.6									.6	9.0
ESE													
SE	.6			1.3	.6							2.6	12.5
SSE		2.6	2.6	1.3								6.5	8.6
S		1.9	5.2		.6							7.7	8.2
SSW	1.3	4.5	1.3									7.1	4.9
SW		5.8	1.9									7.7	5.6
WSW	.6	7.7	3.2									11.6	5.4
W	.6	7.1	9.7	9.0								26.5	8.8
WNW	.6	1.9	3.2	2.6	.6							9.0	9.5
NW	1.3	1.3	2.6	.6								5.8	7.4
NNW		3.2	1.3									4.5	5.9
VARBL													
CALM												1.9	
	5.2	41.3	34.8	14.8	1.9							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			1.3	.6	.6							2.6	12.3
NNE		.6										.6	6.0
NE	.6											.6	3.0
ENE	.6	1.9										2.6	4.0
E		.6										.6	6.0
ESE		.6										.6	5.0
SE		1.9	1.3	1.9								5.2	9.1
SSE		4.5	3.9	.6								9.0	7.6
S	1.3	5.2	1.9	.6								9.0	5.8
SSW	1.3	.6	.6									2.6	4.5
SW	1.3	3.2	1.3	.6								6.5	5.9
WSW	1.3	5.2	3.9									10.3	6.3
W		5.8	9.7	3.2	1.3							20.0	8.7
WNW	.6	1.9	1.9	3.2	.6							8.4	9.9
NW	.6	3.9	2.6									7.1	6.2
NNW		1.3										1.3	5.0
VARBL													
CALM												12.9	
	7.7	37.4	28.4	11.0	2.6							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | MAR MONTH

ALL WEATHER CLASS | ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	4.6	3.9	1.8	.8							11.6	8.1
NNE	.7	1.8	1.5	.2								4.3	6.3
NE	.8	1.0	1.4		.1							3.3	6.2
ENE	.6	1.5	.6									2.7	5.0
E	.4	.6	.2									1.3	5.0
ESE	.2	.4	.1									.6	4.6
SE	.4	1.3	1.0	1.0	.2	.1						4.0	9.0
SSE	.2	1.8	2.3	.9	.2							5.3	8.6
S	1.0	3.2	3.3	1.0	.2							8.8	7.1
SSW	1.0	1.6	1.1	.1	.1							3.9	5.7
SW	1.0	2.6	2.4	.4								6.4	6.4
WSW	.6	2.9	2.6	.7								6.9	6.8
W	.9	4.5	5.9	4.5	.6	.2						16.6	9.0
WNW	.3	1.6	2.0	2.8	.6							7.3	10.1
NW	.6	1.9	2.1	.8	.3							5.6	7.7
NNW	.2	1.0	1.3	.9								3.3	8.5
VARBL													
CALM												8.1	
	9.4	32.3	31.7	14.9	3.2	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 1240

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.7										2.7	4.3
NNE		2.7										2.7	4.8
NE	1.3	.7										2.0	3.7
ENE		.7	.7									1.3	6.0
E		2.0										2.0	4.7
ESE			.7	.7								1.3	10.5
SE		4.0	.7									4.7	5.4
SSE		2.7	6.0									8.7	7.0
S	1.3	10.0	1.3									12.7	4.9
SSW	2.0	3.3	.7									6.0	4.9
SW		2.0		.7								2.7	6.3
WSW	.7		1.3									2.0	6.7
W		3.3	6.0	4.0	.7							14.0	9.3
WNW		.7	2.0	2.0								4.7	10.4
NW	.7	4.0	2.0									6.7	5.8
NNW	1.3	1.3	2.0									4.7	5.7
VARBL													
CALM												21.3	
	7.3	40.0	23.3	7.3	.7							100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

[redacted] WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

[redacted] YUMA, ARIZONA — STATION NAME
73-77 — YEARS
APR — MONTH
ALL WEATHER — CLASS
05 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	8.7	3.3	.7								14.7	5.6
NNE		2.0	.7									2.7	6.0
NE	.7	2.7										3.3	4.0
ENE	.7	1.3										2.0	4.0
E	1.3	2.7										4.0	4.3
ESE	.7	1.3										2.0	4.0
SE		2.7	.7									3.3	5.8
SSE	2.0	2.7	4.0									8.7	6.0
S	4.0	6.0	.7									10.7	4.4
SSW		1.3	1.3									2.7	7.3
SW	.7	3.3	.7									4.7	4.9
WSW	.7	1.3										2.0	4.3
W	.7	4.0	6.0	2.7								13.3	7.9
WNW		1.3	1.3	1.3								4.0	8.3
NW		1.3	.7	.7								2.7	8.8
NNW			.7									.7	9.0
VARBL													
CALM												18.7	
	13.3	42.7	20.0	5.3								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	12.0	2.0	1.3								16.0	5.8
NNE	1.3	4.0	3.3	.7								9.3	6.4
NE	2.0	4.7										6.7	4.1
ENE	1.3	1.3										2.7	4.0
E	.7	.7										1.3	4.0
ESE			.7	.7								1.3	11.5
SE	.7	1.3	.7	1.3								4.0	7.8
SSE		.7	3.3	.7								4.7	7.7
S	.7	5.3	1.3									7.3	5.1
SSW	2.0	.7										2.7	3.8
SW		.7	.7									1.3	6.0
WSW	1.3	.7	.7	.7								3.3	6.2
W	2.0	5.3	3.3	2.7								13.3	7.4
WNW		.7	5.3									6.0	7.8
NW		1.3	.7	1.3								3.3	8.6
NNW	.7		.7	.7								2.0	7.7
VARBL													
CALM												14.7	
	13.3	39.3	22.7	10.0								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

ALL WEATHER (CLASS) | 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	6.0	5.3	2.0							16.7	10.1
NNE		2.0	.7	.7								3.3	7.6
NE		2.0	1.3	1.3								4.7	8.0
ENE		1.3	1.3									2.7	6.5
E		.7	.7									1.3	6.0
ESE													
SE		.7	2.0									2.7	7.8
SSE		.7	2.0	.7								3.3	9.0
S	1.3	6.0	1.3	1.3								10.0	6.1
SSW		2.0	2.0									4.0	6.3
SW	1.3	4.0	.7	1.3		.7						8.0	7.8
WSW	.7	1.3	1.3	1.3								4.7	8.0
W		4.7	8.0	8.0	1.3							22.0	10.1
WNW		1.3	1.3	4.0								6.7	10.7
NW		2.0	2.0	2.0								6.0	8.6
NNW		.7										.7	5.0
VARBL													
CALM												3.3	
	4.0	32.0	30.7	26.0	3.3	.7						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	2.0	2.0	.7							8.0	8.8
NNE		.7		1.3								2.0	9.7
NE		.7	2.0	.7								3.3	9.0
ENE	.7	.7	.7									2.0	5.7
E		2.0										2.0	4.0
ESE		.7										.7	5.0
SE	.7											.7	3.0
SSE	.7	2.0	2.0	1.3								6.0	8.3
S	2.0	4.0	2.0	2.7								10.7	7.1
SSW		.7	2.7	1.3								4.7	8.7
SW		4.0	6.0	.7	.7							11.3	7.8
WSW	.7	2.0	8.0	4.7								15.3	9.1
W	.7	3.3	9.3	2.0	.7							16.0	8.7
WNW		1.3	4.0	2.7								8.0	9.2
NW	.7		1.3	.7								2.7	8.3
NNW		.7	2.0	3.3								6.0	10.8
VARBL													
CALM												.7	
	6.7	25.3	42.0	23.3	2.0							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	4.0	3.3	.7							9.3	10.1
NNE				1.3								1.3	13.5
NE		.7	.7									1.3	7.5
ENE													
E													
ESE		.7										.7	4.0
SE		.7			1.3							2.0	14.0
SSE				.7	.7							1.3	14.5
S		2.0	4.7	1.3	.7							8.7	8.9
SSW		1.3	3.3	.7								5.3	8.6
SW	.7	4.0	7.3	2.0								14.0	7.7
WSW		5.3	11.3	.7								17.3	7.5
W	.7	4.0	11.3	7.3	2.0							25.3	9.8
WNW			1.3	1.3	.7	.7						4.0	14.3
NW	.7	1.3	2.0	1.3								5.3	8.1
NNW		.7	2.0	.7								3.3	9.2
VARBL													
CALM												.7	
	2.0	22.0	48.0	20.7	6.0	.7						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		4.0	.7									4.7	5.4
NNE			1.3		.7							2.0	10.3
NE		.7										.7	6.0
ENE			.7									.7	7.0
E													
ESE		.7										.7	5.0
SE			1.3		.7							2.0	11.3
SSE		2.0	1.3	1.3	.7							5.3	9.6
S		2.0	4.0	2.0								8.0	8.3
SSW		4.7	.7	2.0								7.3	7.9
SW	3.3	10.7	3.3	.7								18.0	5.5
WSW	.7	10.0	4.7		.7							16.0	6.5
W	1.3	7.3	8.0	3.3	1.3							21.3	8.1
WNW	.7	1.3	.7	4.7	.7							8.0	11.8
NW		2.7			.7							3.3	7.6
NNW		1.3										1.3	5.0
VARBL													
CALM												.7	
	6.0	47.3	26.7	14.0	5.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	.7	.7									2.7	4.5
NNE		1.3	.7									2.0	6.3
NE		.7										.7	4.0
ENE		.7										.7	5.0
E	.7											.7	3.0
ESE		.7										.7	4.0
SE		2.7	3.3	1.3								7.3	8.5
SSE		1.3	4.7	2.7	.7							9.3	10.5
S		5.3	3.3									8.7	6.0
SSW		4.0										4.0	4.5
SW	.7	4.7	1.3									6.7	5.4
WSW	2.7	3.3	2.7	.7								9.3	5.6
W	.7	4.7	6.7	4.7	2.0							18.7	9.6
WNW	.7	4.7	1.3	2.7								9.3	7.9
NW	.7	2.7	2.7									6.0	6.0
NNW			1.3									1.3	7.0
VARBL													
CALM												12.0	
	7.3	37.3	28.7	12.0	2.7							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	4.3	2.3	1.0	.4							9.3	7.5
NNE	.2	1.0	.8	.5	.1							3.2	7.3
NE	.3	1.6	.5	.2								2.8	5.8
ENE	.3	.7	.4									1.5	5.3
E	.3	1.0	.1									1.4	4.4
ESE	.1	.5	.2	.2								.9	6.7
SE	.2	1.5	1.1	.3	.2							3.3	8.0
SSE	.3	1.5	2.9	.9	.2							5.9	8.4
S	1.2	3.1	2.3	.9	.1							9.6	6.3
SSW	.5	2.2	1.3	.5								4.6	6.7
SW	.8	4.2	2.5	.7	.1	.1						8.3	6.6
WSW	.9	3.0	3.7	1.0	.1							8.7	7.2
W	.7	4.6	7.3	4.3	1.0							18.0	9.0
WNW	.2	1.4	2.2	2.3	.2	.1						6.3	9.8
NW	.3	1.9	1.4	.7	.1							4.5	7.5
NNW	.2	.6	1.1	.6								2.5	8.1
VARBL													
CALM												9.0	
	7.5	35.7	30.2	14.3	2.5	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 1200

DiRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.9	1.3									3.2	6.4
NNE													
NE	.6											.6	3.0
ENE													
E		1.3	.6									1.9	6.3
ESE	.6	2.6										3.2	4.6
SE	.6	2.6	3.2	.6								7.0	7.2
SSE	.6	3.9	7.7	2.6								14.8	7.6
S	1.3	9.7	2.6									13.5	5.5
SSW		6.5	.6									7.1	5.7
SW		3.2										3.2	4.6
WSW	1.3											1.3	3.0
W		2.6	1.9	2.6								7.1	9.3
WNW	.6	4.5	2.6	1.3								9.0	6.8
NW		1.9	.6	.6								3.2	7.2
NNW		1.9	1.3									3.2	5.8
VARBL													
CALM												19.4	
	5.8	42.6	24.5	7.7								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	1.9	.6	.6								4.5	5.4
NNE	1.9	1.3										3.2	3.8
NE	.6	1.9										2.6	4.3
ENE	.6	.6										1.3	3.5
E	1.3	4.5										5.8	4.4
ESE	1.3	1.9										3.2	4.0
SE	1.9	1.9	3.2	3.2								10.3	3.4
SSE	2.6	2.6	5.8									11.0	6.4
S	.6	7.7	1.9									10.3	5.4
SSW		2.6	1.3									3.9	5.3
SW	1.3	1.9	.6									3.9	4.5
WSW	2.6		.6									3.2	4.0
W		5.2	.6									5.8	5.2
WNW	1.3	.6	3.2	1.9								7.1	8.2
NW	1.3	1.9	1.9	.6								5.8	6.1
NNW		1.3	1.3									2.6	6.3
VARBL													
CALM												15.5	
	18.7	38.1	21.3	6.5								100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	3.2	1.9	.6								7.1	5.7
NNE		1.9	3.2									5.2	6.4
NE	.6	1.3										1.9	4.3
ENE	.6		.6									1.3	5.0
E		1.9										1.9	4.7
ESE	1.3											1.3	3.0
SE	.6	3.2	2.6	2.6	1.3							10.3	9.1
SSE	.6	3.2	5.2	3.9	.6							13.5	9.0
S	2.6	8.4	6.5	.6								18.1	5.9
SSW	1.9	.6										2.6	3.8
SW	1.9	2.6										4.5	3.9
WSW		.6	.6									1.3	7.0
W	1.9	4.5	.6	3.2								10.3	7.4
WNW	1.3	1.3	.6	3.9								7.1	8.8
NW	1.3	.6	2.6									4.5	6.1
NNW		.6	.6									1.3	6.0
VARBL													
CALM												7.7	
	16.1	34.2	25.2	14.8	1.9							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.6			1.3							3.9	9.3
NNE				.6								.6	11.0
NE		2.6	1.3	1.3								5.2	8.0
ENE		1.3										1.3	5.0
E	.6	1.3		.6								2.6	6.0
ESE		.6	1.3									1.9	6.3
SE	1.9	.6		.6	.6							3.9	7.2
SSE		2.6	3.9	3.9	.6							11.0	10.3
S	.6	5.2	7.7	3.2								16.8	8.3
SSW		3.9	2.6	1.3								7.7	7.2
SW	1.3	5.2	2.6									9.0	5.6
WSW	.6	1.9	3.9	.6	.6							7.7	8.3
W	.6	4.5	4.5	2.6	.6							12.9	8.1
WNW		1.9	3.2	1.9								7.1	8.5
NW	.6	1.3	3.9									5.8	7.2
NNW		.6	1.3									1.9	8.0
VARBL													
CALM												.6	
	6.5	36.1	36.1	16.8	3.9							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6	.6	.6	.6							2.6	12.3
NNE													
NE			1.3									1.3	8.5
ENE		1.9										1.9	5.0
E		.6	1.3	.6								2.6	8.8
ESE													
SE	1.3			.6								1.9	7.3
SSE		1.9	1.3	3.9	1.3							8.4	11.7
S		1.9	7.7	5.8	.6							16.1	10.2
SSW	.6	.6	7.7	1.9								11.0	8.4
SW		3.9	4.5	2.6								11.0	8.4
WSW	1.3	4.5	8.4	1.9								16.1	7.4
W		3.2	9.0	1.9	1.3							15.5	8.7
WNW	.6	1.3	1.3	2.6								5.8	9.0
NW		1.3	.6	.6								2.6	7.5
NNW		1.9	.6									2.6	6.0
VARBL													
CALM												.6	
	3.9	23.9	44.5	23.2	3.9							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

ALL WEATHER (CLASS) | 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3		.6								1.9	9.0
NNE		.6										.6	5.0
NE													
ENE		.6										.6	4.0
E													
ESE	.6											.6	3.0
SE			.6		.6							1.3	13.0
SSE		.6		5.2	.6							6.5	13.7
S		1.9	11.0	5.2	1.9							20.0	10.6
SSW		1.3	3.9	1.3								6.5	8.2
SW	.6	4.5	8.4	1.9								15.5	7.7
WSW		3.9	12.3	1.3								17.4	7.7
W		2.6	9.7	3.9	1.3	.6						18.1	9.9
WNW		1.3	1.9	3.2	.6							7.1	11.3
NW		1.3	.6	1.3								3.2	7.8
NNW			.6									.6	7.0
VARBL													
CALM												.0	
	1.3	20.0	49.0	23.9	5.2	.6						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

AD-A062 047 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) YUMA, AZ--ETC(U)
JUL 78

UNCLASSIFIED NL

2 OF 4
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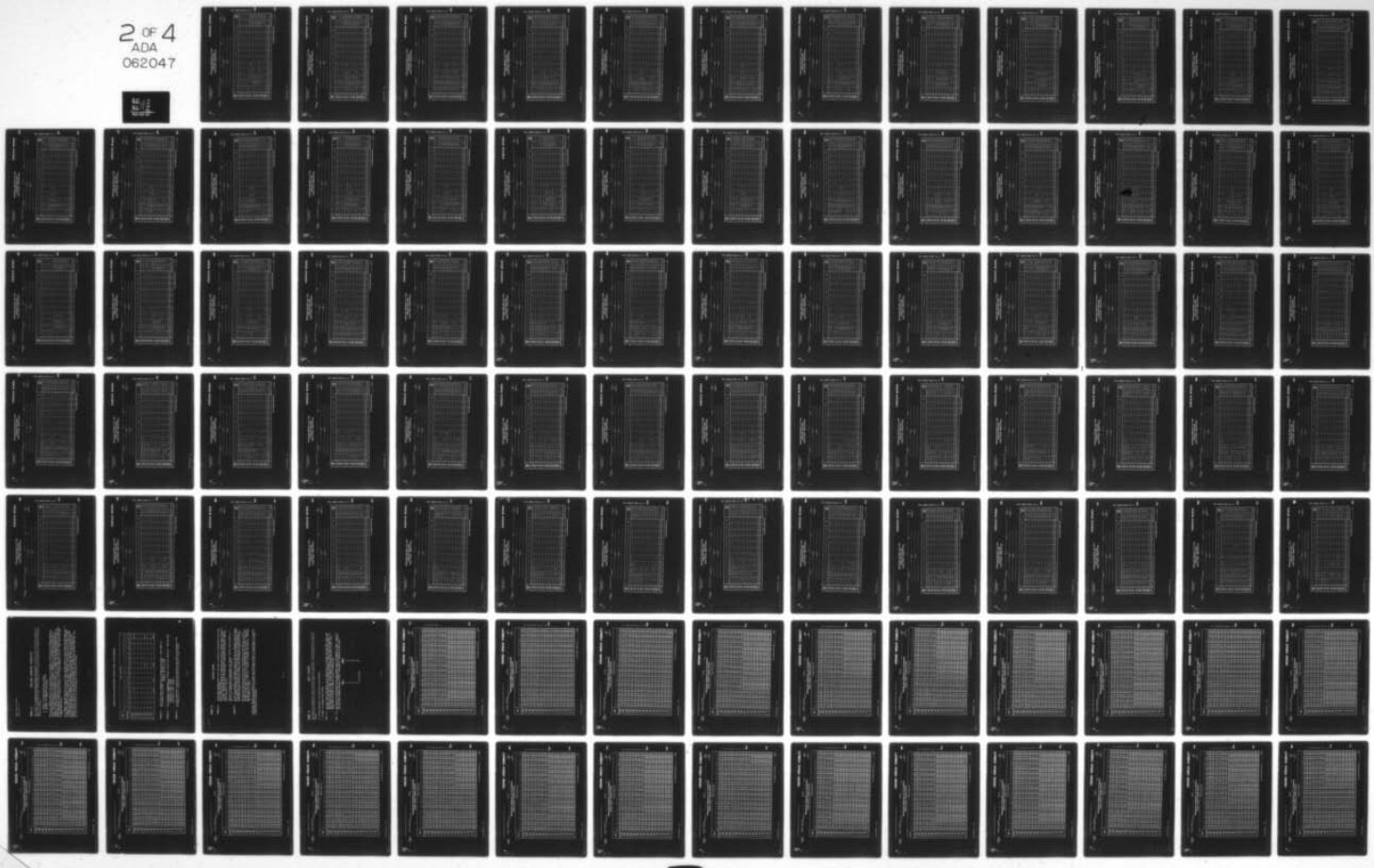

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			.6									.6	7.0
NNE													
NE													
ENE													
E													
ESE													
SE			.6	.6								1.3	12.0
SSE			3.9	3.8	1.9							11.6	12.7
S		3.9	3.9	8.4	.6							16.8	10.1
SSW	.6	2.6	4.5	.6								8.4	7.2
SW		12.9	3.2									16.1	6.0
WSW		12.3	7.1									19.4	6.2
W		7.1	7.1	3.9	1.3							19.4	9.1
WNW		.6	.6	3.2								4.5	11.4
NW			.6									.6	7.0
NNW		.6	.6									1.3	6.5
VARBL													
CALM												.0	
	.6	40.0	32.9	22.6	3.9							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE		.6										.6	4.0
ENE													
E		1.9										1.9	4.7
ESE			.6	.6								1.3	11.5
SE		1.3	1.3	2.6	.6							5.8	11.3
SSE	.6	2.6	6.5	3.2								12.9	8.5
S		5.2	7.1	1.3								13.5	7.2
SSW	1.3	3.9	1.9									7.1	5.2
SW		5.2	.6									5.8	5.7
WSW		9.0	3.9									12.9	6.0
W	.6	10.3	7.7	1.3	.6							20.6	7.2
WNW		1.9	2.6	1.3								5.8	8.9
NW		.6										.6	5.0
NNW		1.3										1.3	4.5
VARBL													
CALM												9.7	
	2.6	43.9	32.3	10.3	1.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | MAY MONTH

ALL WEATHER CLASS | ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.5	.6	.3	.2							3.0	7.4
NNE	.2	.5	.4	.1								1.2	5.7
NE	.2	.8	.3	.2								1.5	6.2
ENE	.2	.6	.1									.8	4.6
E	.2	1.5	.2	.2								2.1	5.6
ESE	.5	.6	.2	.1								1.5	5.2
SE	.8	1.2	1.7	1.4	.4							5.5	8.8
SSE	.6	2.2	4.3	3.3	.6							11.2	9.6
S	.6	5.5	6.0	3.1	.4							15.6	8.2
SSW	.6	2.7	2.8	.6								6.8	6.8
SW	.6	4.9	2.5	.6								8.6	6.4
WSW	.7	4.0	4.6	.5	.1							9.9	6.8
W	.4	5.0	5.2	2.4	.6	.1						13.7	8.4
WNW	.5	1.7	2.0	2.4	.1							6.7	8.9
NW	.4	1.1	1.4	.4								3.3	6.8
NNW		1.0	.8									1.9	6.2
VARBL													
CALM												6.7	
	6.9	34.8	33.2	15.7	2.5	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	.7									2.0	6.7
NNE		1.3	.7									2.0	6.0
NE		.7										.7	5.0
ENE			1.3									1.3	7.5
E	.7	.7										1.3	4.0
ESE		.7	.7									1.3	6.0
SE	.7	3.3		3.3								7.3	8.4
SSE		5.3	9.3	3.3								18.0	8.3
S	2.7	12.0	4.0									18.7	5.6
SSW		3.3	.7									4.0	5.0
SW	1.3	4.0										5.3	4.0
WSW	.7	2.7	.7									4.0	5.2
W		5.3	3.3			.7						9.3	7.6
WNW		.7	2.7	2.0								5.3	9.9
NW	.7	1.3	2.0									4.0	6.8
NNW		.7										.7	5.0
VARBL													
CALM												14.7	
	6.7	43.3	26.0	8.7		.7						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 150

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.7	2.0									4.7	5.9
NNE		2.7	.7									3.3	5.0
NE		2.0										2.0	5.3
ENE	.7	4.0										4.7	4.4
E	1.3	2.0	.7									4.0	4.7
ESE	.7	2.7										3.3	3.8
SE		2.7	2.7	3.3								8.7	8.9
SSE		4.0	10.7	2.7								17.3	8.3
S	1.3	13.3	2.0									16.7	5.0
SSW	1.3	1.3										2.7	3.8
SW	.7	2.0										2.7	3.8
WSW	.7	2.0										2.7	4.0
W	1.3	2.0	1.3									4.7	5.1
WNW	.7	1.3	1.3									3.3	5.8
NW			2.7	1.3								4.0	9.2
NNW	2.0	.7										2.7	3.3
VARBL													
CALM												12.7	
	10.7	45.3	24.0	7.3								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	6.7	2.7									10.0	5.7
NNE	.7	2.0	1.3									4.0	5.2
NE	.7		2.7									3.3	6.6
ENE		.7										.7	5.0
E		1.3		.7								2.0	6.7
ESE	.7	1.3										2.0	4.3
SE		2.7	3.3	4.0	.7							10.7	9.9
SSE	.7	2.7	5.3	6.7	.7							16.0	10.0
S	1.3	6.7	8.7	1.3	.7							18.7	7.4
SSW			.7									.7	7.0
SW	1.3	2.0										3.3	4.2
WSW	.7	2.0	.7									3.3	5.2
W		2.7	2.0	.7								5.3	8.1
WNW		.7	2.0	.7								3.3	8.2
NW	1.3	2.7	4.0									8.0	6.8
NNW	1.3			.7								2.0	5.7
VARBL													
CALM												6.7	
	9.3	34.0	33.3	14.7	2.0							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	2.0	2.0	.7							6.7	10.0
NNE	.7	.7										1.3	3.5
NE		.7	2.0									2.7	8.3
ENE				.7								.7	14.0
E		.7		.7								1.3	10.0
ESE	.7	.7										1.3	4.5
SE		1.3	1.3	2.0	.7							5.3	11.0
SSE	.7	6.0	1.3	2.0	.7							10.7	7.9
S	.7	7.3	14.0	4.0								26.0	8.1
SSW		4.0	5.3	.7								10.0	7.0
SW		3.3	2.7									6.0	6.3
WSW		2.7	3.3									6.0	7.2
W	1.3	2.7	8.0	2.0								14.0	7.9
WNW		1.3	1.3	1.3								4.0	8.7
NW		.7	.7									1.3	6.5
NNW		1.3	1.3									2.7	6.3
VARBL													
CALM												.0	
	4.7	34.7	43.3	15.3	2.0							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	2.7	.7								4.7	8.3
NNE			2.0									2.0	8.0
NE		.7	.7									1.3	6.5
ENE			.7									.7	8.0
E		.7										.7	6.0
ESE													
SE		2.7	.7	2.0								5.3	8.5
SSE		1.3	8.7	2.7	.7							13.3	9.7
S		2.0	7.3	5.3								14.7	9.3
SSW		3.3	4.0	1.3								8.7	7.9
SW		6.0	9.3	2.0								17.3	7.3
WSW		4.7	8.0	2.7								15.3	8.0
W		4.0	6.0	1.3								11.3	7.5
WNW			2.0									2.0	8.0
NW	.7											.7	3.0
NNW			2.0									2.0	8.0
VARBL													
CALM												.0	
	.7	26.7	54.0	18.0	.7							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | JUN MONTH

ALL WEATHER CLASS | 17 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	.7	.7	1.3								3.3	7.8
NNE													
NE													
ENE				.7								.7	15.0
E	.7											.7	3.9
ESE													
SE			.7	1.3								2.0	11.7
SSE			2.0	3.3								5.3	11.1
S	.7	2.7	9.3	6.0	.7							19.3	9.9
SSW		3.3	2.0	2.7								8.0	8.8
SW		3.3	10.0	1.3	.7							15.3	8.2
WSW		6.0	15.3	2.7								24.0	8.2
W		4.7	8.0	2.7								15.3	8.1
WNW	.7	.7	.7	.7								2.7	7.0
NW			2.0	.7								2.7	8.5
NNW			.7									.7	10.0
VARBL													
CALM												.0	
	2.7	21.3	51.3	23.3	1.3							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			1.3									1.3	7.5
NNE													
NE													
ENE													
E				.7								.7	11.0
ESE		.7										.7	6.0
SE				.7	1.3							2.0	17.0
SSE			2.0	3.3								5.3	11.1
S		1.3	10.7	4.7								16.7	9.4
SSW		1.3	5.3	2.7								9.3	9.6
SW		10.0	7.3	1.3								18.7	6.7
WSW		11.3	7.3	.7								19.3	6.4
W	1.3	8.7	3.3	4.0	1.3							18.7	8.3
WNW		.7	2.7	2.0								5.3	10.1
NW		.7	.7									1.3	6.5
NNW			.7									.7	8.0
VARBL													
CALM												.0	
	1.3	34.7	41.3	20.0	2.7							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.7		.7								1.3	9.5
NNE													
NE													
ENE													
E		.7	.7									1.3	6.5
ESE													
SE		.7	2.0	.7								3.3	9.4
SSE		2.0	6.0	4.7								12.7	9.7
S		11.3	12.7	1.3								25.3	7.3
SSW	.7	4.7	2.0									7.3	5.6
SW		5.3	2.0									7.3	5.5
WSW	2.0	2.0	4.0									8.0	5.9
W	.7	5.3	6.7	4.0	.7							17.3	8.7
WNW		2.7	4.7	1.3								8.7	8.3
NW		.7	.7									1.3	6.5
NNW	.7		.7									1.3	5.0
VARBL													
CALM												4.7	
	4.0	36.0	42.0	12.7	.7							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.8	1.3	.6	.1							4.2	7.4
NNE	.2	.8	.6									1.6	5.5
NE	.1	.5	.7									1.2	6.7
ENE	.1	.6	.2	.2								1.1	6.8
E	.3	.7	.6	.2								1.5	6.1
ESE	.2	.7	.1									1.1	4.5
SE	.1	1.7	1.3	2.2	.3							5.6	9.8
SSE	.2	2.7	5.7	3.6	.2							12.3	9.2
S	.8	7.1	8.6	2.6	.2							19.5	7.7
SSW	.2	2.7	2.5	.9								6.3	7.4
SW	.4	4.5	3.9	.6	.1							9.5	6.6
WSW	.5	4.2	4.9	.7								10.3	7.0
W	.6	4.4	4.8	1.8	.2	.1						12.0	8.0
WNW	.2	1.0	2.2	1.0								4.3	8.5
NW	.3	.7	1.6	.2								2.9	7.2
NNW	.5	.3	.7	.1								1.6	5.9
VARBL													
CALM												4.8	
	5.0	34.5	39.4	15.0	1.2	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | JUL MONTH

ALL WEATHER CLASS | 02 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE		.6										.6	5.0
NE													
ENE			.6									.6	8.0
E		2.6	1.9									4.5	6.7
ESE		3.2	1.9	1.3								6.5	7.6
SE		4.5	5.8	9.0	1.9							21.3	10.7
SSE		5.8	7.7	7.1	1.3							21.9	9.8
S		8.4	3.2	1.3								12.9	6.3
SSW		7.7	1.3									9.0	5.2
SW		3.2										3.2	4.8
WSW		1.9	.6									2.6	5.3
W		5.2	.6									5.8	5.6
WNW		.6										.6	6.0
NW			.6									.6	8.0
NNW	.6	.6	.6									1.9	5.0
VARBL													
CALM												7.7	
	.6	44.5	25.2	18.7	3.2							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.6										3.9	4.3
NNE	.6											.6	3.0
NE		1.9	1.3									3.2	5.8
ENE	.6		.6									1.3	5.0
E		.6	.6									1.3	5.5
ESE	.6	3.9	3.9									8.4	5.8
SE	.6	5.2	12.3	7.1	1.3							26.5	9.6
SSE	1.9	3.9	7.1	7.7	2.6							23.2	9.8
S		7.1	5.2	1.9								14.2	7.3
SSW		.6										.6	4.0
SW		2.6										2.6	4.5
WSW		1.3										1.3	5.0
W	.6	1.9										2.6	4.8
WNW		.6										.6	5.0
NW	.6	1.3	.6									2.6	5.5
NNW		.6										.6	4.0
VARBL													
CALM												6.5	
	7.1	34.2	31.6	16.8	3.9							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		5.2	1.3									6.5	5.3
NNE	.6	.6										1.3	3.5
NE	.6	3.9	1.9									6.5	5.3
ENE		1.9	.6									2.6	6.0
E	.6	2.6	1.9									5.2	5.6
ESE		1.3	1.3									2.6	6.8
SE		2.6	5.2	12.9	1.3							21.9	11.4
SSE		2.6	11.0	11.0	1.9							26.5	11.0
S		5.2	5.8	2.6	1.3							14.8	8.8
SSW		1.9	1.3									3.2	6.0
SW		1.3										1.3	5.5
WSW		1.3										1.3	4.0
W	.6	.6										1.3	3.5
WNW													
NW	1.3	.6		.6								2.6	5.8
NNW		.6										.6	4.0
VARBL													
CALM												1.9	
	3.9	32.3	30.3	27.1	4.5							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DiRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N			.6									.6	7.0
NNE		.6										.6	6.0
NE													
ENE													
E	.6	.6	1.3									2.6	5.8
ESE		1.3	1.3									2.6	6.5
SE		.6	1.3	4.5	1.3							7.7	12.5
SSE	.6	5.8	5.8	9.0	2.6							23.9	10.5
S		6.5	16.8	18.1								41.3	10.0
SSW		1.9	2.6									4.5	6.9
SW		2.6	1.3									3.9	6.2
WSW	.6	1.9	3.2									5.8	6.6
W		1.9	1.3									3.2	5.6
WNW			.6	.6								1.3	10.0
NW													
NNW													
VARBL													
CALM												1.9	
	1.9	23.9	36.1	32.3	3.9							100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE													
NE			.6									.6	8.0
ENE			.6	.6								1.3	11.5
E		1.3										1.3	4.0
ESE	.6		1.3	.6								2.6	9.0
SE		1.3	.6	.6	.6							3.2	9.4
SSE		1.9	3.9	6.5	.6							12.9	11.1
S		5.8	14.8	15.5	.6							36.8	10.0
SSW		.6	3.2	.6								6.5	9.2
SW		2.6	8.4	.6								11.6	7.8
WSW	.6	2.6	3.2									6.5	6.3
W	1.3	3.2	3.9	.6								9.0	6.6
WNW		1.3	2.6	.6								4.5	8.0
NW	.6	.6	1.3									2.6	6.0
NNW													
VARBL													
CALM												.0	
	3.9	21.3	40.5	26.5	1.9							100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E			.6									.6	10.0
ESE													
SE		.6	.6									1.3	8.0
SSE		.6		3.2								3.9	12.0
S		1.3	11.6	18.1	1.3							32.3	10.9
SSW			6.5	3.2			.6					10.3	11.4
SW		3.2	7.7	2.6								13.5	8.3
WSW	.6	2.6	15.5	.6								19.4	7.9
W		3.2	12.9	.6								16.8	8.1
WNW		1.3	.6									1.9	6.0
NW													
NNW													
VARBL													
CALM												.0	
	.6	12.9	56.1	28.4	1.3		.6					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE		.6				.6						1.3	15.5
ENE													
E				.6								.6	12.0
ESE		.6	.6									1.3	7.5
SE		.6	2.6	1.3								4.5	9.0
SSE			7.7	2.6	1.9							12.3	11.7
S		.6	18.1	8.4								27.1	10.0
SSW			6.5	1.9								8.4	9.8
SW	.6	7.7	9.0	.6								18.1	6.8
WSW		9.0	3.2									12.3	5.9
W		7.7	2.6	.6								11.0	5.9
WNW		.6	.6	1.3								2.6	8.8
NW				.6								.6	12.0
NNW													
VARBL													
CALM												.0	
	.6	27.7	51.0	18.1	1.9	.6						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE	.6	.6	.6									1.9	5.3
NE		1.3	.6									1.9	6.3
ENE			.6									.6	10.0
E						.6						.6	22.0
ESE													
SE		.6	4.5	3.2	.6							9.0	10.6
SSE		4.5	9.0	11.0								24.5	10.3
S		12.3	19.4	1.3								32.9	7.5
SSW		2.6	2.6									5.2	6.6
SW		8.4	1.9									10.3	5.4
WSW		.6	1.9									2.6	7.3
W		2.6	2.6									5.2	6.3
WNW			1.9									1.9	9.7
NW													
NNW													
VARBL													
CALM												3.2	
	.6	33.5	45.8	15.5	.6	.6						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.0	.2									1.5	4.9
NNE	.2	.3	.1									.6	4.6
NE	.1	1.0	.6			.1						1.7	6.7
ENE	.1	.2	.4	.1								.8	7.5
E	.2	1.0	.8	.1		.1						2.1	6.8
ESE	.2	1.3	1.3	.2								3.0	6.9
SE	.1	2.0	4.1	4.8	.9							11.9	10.5
SSE	.3	3.1	6.5	7.3	1.4							18.6	10.5
S		5.9	11.9	8.4	.4							26.5	9.2
SSW		1.9	3.2	.7			.1					6.0	8.2
SW	.1	4.0	3.5	.5								8.1	6.8
WSW	.2	2.7	3.5	.1								6.5	6.8
W	.3	3.3	3.0	.2								6.9	6.6
WNW		.6	.8	.3								1.7	8.0
NW	.3	.3	.3	.2								1.1	6.4
NNW	.1	.2	.1									.4	4.6
VARBL													
CALM												2.7	
	2.4	28.8	40.3	22.9	2.7	.2	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 1240

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.3										3.2	3.8
NNE		1.3	.6									1.9	5.7
NE		1.9										1.9	5.0
ENE		.6	1.3									1.9	6.7
E		1.3			.6							1.9	9.3
ESE		1.3	.6	1.3								3.2	8.0
SE		2.6	3.9	3.2								9.7	8.5
SSE		8.4	13.5	3.2	.6							25.8	8.1
S	1.3	4.5	3.2	.6								9.7	6.2
SSW		2.6										2.6	4.5
SW	1.3	3.9										5.2	4.6
WSW	.6	3.2	.6									4.5	5.0
W		2.6	1.3	.6								4.5	7.1
WNW		1.3	3.9	.6								5.8	8.2
NW		1.3	.6									1.9	6.3
NNW		2.6	.6									3.2	5.0
VARBL													
CALM												12.9	
	5.2	40.6	30.3	9.7	1.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	2.6										3.9	4.2
NNE	.6	1.3										1.9	4.0
NE	1.9	1.9										3.9	3.7
ENE	.6	.6	1.3									2.6	6.0
E	1.3	1.9										3.2	3.6
ESE	1.9	1.3	1.3									4.5	4.9
SE	.6	3.9	5.8	4.5								14.8	8.7
SSE	1.3	3.2	8.4	7.1								20.0	8.6
S	1.3	8.4	3.2		1.3							14.2	6.7
SSW	.6	3.2	.6									4.5	4.7
SW	.6	.6										1.3	4.0
WSW	.6	.6										1.3	4.0
W	.6		1.3									1.9	6.3
WNW	1.3		1.3	.6								3.2	6.2
NW	.6	3.9	.6									5.2	4.9
NNW		.6										.6	4.0
VARBL													
CALM												12.9	
	15.5	34.2	23.9	12.3	1.3							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	5.8	1.3									9.0	5.0
NNE		1.3	.6									1.9	6.3
NE	.6	4.5	.6									5.8	5.3
ENE		.6										.6	4.0
E		1.3	1.3									2.6	6.3
ESE	1.9	1.9	1.3	.6								5.8	5.4
SE	.6	1.3	6.5	8.4	1.3							18.1	11.3
SSE	.6	3.9	7.1	6.5	1.3							19.4	10.1
S		3.9	5.2	1.3	1.3							11.6	9.1
SSW	1.3	1.3	.6									3.2	5.0
SW	.6	1.3										1.9	4.3
WSW	.6	1.3	.6									2.6	5.0
W	1.9	1.3	1.3									4.5	5.1
WNW													
NW		1.3	.6									1.9	6.3
NNW	.6	.6	.6									1.9	5.0
VARBL													
CALM												9.0	
	11.0	31.6	27.7	16.8	3.9							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	2.6	.6									3.9	5.8
NNE	1.3	.6										1.9	3.7
NE	.6			.6								1.3	7.5
ENE													
E	.6	1.3										1.9	4.0
ESE			.6									.6	7.0
SE		1.3	2.6	1.9								5.8	9.3
SSE		4.5	2.6	5.2	1.9							14.2	10.1
S		7.7	18.1	11.0	1.9							38.7	9.8
SSW	.6	3.2	1.9									5.8	6.2
SW		.6	3.2									3.9	7.0
WSW		2.6	3.2	.6								6.5	7.0
W	.6	4.5	3.2	.6								9.0	6.7
WNW		1.3	.6	.6								2.6	7.3
NW		1.9										1.9	5.0
NNW													
VARBL													
CALM												1.9	
	4.5	32.3	36.8	20.0	3.9							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	.6									1.9	5.3
NNE													
NE		.6										.6	5.0
ENE		1.3	.6	.6								2.6	7.8
E		.6	.6	.6								1.9	8.0
ESE	.6											.6	3.0
SE	1.3	1.3	1.9									4.5	5.9
SSE			5.2	1.3	.6							7.1	10.0
S	1.3	3.9	9.0	7.1	1.3							22.6	9.5
SSW		3.9	3.9	3.9								11.6	8.4
SW	.6	3.2	8.4									12.3	7.3
WSW		2.6	9.7	.6								12.9	7.3
W	.6	6.5	9.7									16.8	6.7
WNW	1.3	1.3		.6								3.2	5.8
NW													
NNW		.6	.6									1.3	6.0
VARBL													
CALM												.0	
	5.8	27.1	50.3	14.8	1.9							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE			3.2	4.5								7.7	11.8
S		1.3	14.2	6.5								21.9	9.7
SSW		1.9	5.2	1.3								8.4	8.1
SW		3.9	11.6									15.5	7.4
WSW		2.6	12.9	5.8								21.3	9.1
W		5.8	12.3	1.9								20.0	7.9
WNW		1.3										1.3	4.5
NW			1.3									1.3	7.0
NNW		.6										.6	5.0
VARBL													
CALM												1.9	
		17.4	60.6	20.0								100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

ALL WEATHER (CLASS) | 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N				.6	.6							1.3	17.0
NNE		.6		.6								1.3	9.5
NE													
ENE				.6								.6	12.0
E		.6										.6	4.0
ESE													
SE					.6							.6	21.0
SSE		.6	3.2	3.2	.6							7.7	10.3
S		.6	12.3	7.1								20.0	10.0
SSW		4.5	3.2	.6								9.4	7.5
SW	1.3	9.0	8.4									18.7	6.1
WSW		13.5	2.6									16.1	5.6
W	.6	5.2	8.4	3.2								17.4	8.1
WNW		2.6		.6	.6							3.9	9.0
NW	.6	.6										1.3	3.5
NNW													
VARBL													
CALM												1.9	
	2.6	38.1	38.1	16.8	2.6							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE													
NE		.6	1.3	1.3								3.2	9.4
ENE		.6										.6	5.0
E	.6											.6	3.0
ESE				.6								.6	16.0
SE		1.3	7.1	2.6	.6							11.6	9.9
SSE		4.5	7.1	1.3	.6							13.5	8.2
S	1.3	9.0	7.7	1.3								19.4	6.8
SSW	.6	7.1	2.6									10.3	5.6
SW		5.2	3.9									9.0	5.9
WSW		3.2	5.2									8.4	6.6
W		4.5	7.7	1.9								14.2	8.2
WNW		1.9	.6	1.3								3.9	7.8
NW				.6								.6	12.0
NNW		.6										.6	4.0
VARBL													
CALM												2.6	
	2.6	39.4	43.2	11.0	1.3							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.8	.3	.1	.1							3.0	5.5
NNE	.2	.6	.2	.1								1.1	5.6
NE	.4	1.2	.2	.2								2.1	5.8
ENE	.1	.5	.4	.2								1.1	6.9
E	.3	.9	.2	.1	.1							1.6	5.7
ESE	.6	.6	.5	.3								1.9	6.2
SE	.3	1.5	3.5	2.6	.3							8.1	9.6
SSE	.2	3.1	6.3	4.0	.7							14.4	9.3
S	.6	4.9	9.1	4.4	.7							19.8	8.8
SSW	.4	3.5	2.3	.7								6.9	6.8
SW	.6	3.5	4.4									8.5	6.4
WSW	.2	3.7	4.4	.9								9.2	7.1
W	.6	3.6	5.6	1.0								11.0	7.4
WNW	.3	1.2	.8	.6	.1							3.0	7.4
NW	.2	1.1	.4	.1								1.8	5.7
NNW	.1	.7	.2									1.0	5.0
VARBL													
CALM												5.4	
	5.9	32.6	38.9	15.2	2.0							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.0	4.7									7.3	6.9
NNE	.7	2.7	1.3	.7								5.3	6.4
NE	1.3	4.7	.7	.7								7.3	5.5
ENE		.7		.7								1.3	10.0
E		1.3	.7	.7								2.7	7.3
ESE		.7	2.7	.7								4.0	8.5
SE		.7	4.0	6.0								10.7	11.3
SSE		7.3	4.0	3.3								14.7	7.8
S	2.0	10.0	1.3									13.3	4.8
SSW	.7	2.7										3.3	4.4
SW		3.3										3.3	4.4
WSW	.7											.7	3.0
W		1.3	1.3									2.7	6.5
WNW	.7		.7	1.3								2.7	8.8
NW		1.3										1.3	4.5
NNW													
VARBL													
CALM												19.3	
	6.7	38.7	21.3	14.0								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H 2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	5.3	3.3	.7								11.3	5.8
NNE	.7	2.7	2.7	.7								6.7	6.4
NE	1.3	4.7	2.0									8.0	5.7
ENE		3.3	2.0	.7								6.0	6.7
E	.7	2.0	.7	.7								4.0	6.3
ESE		2.7	1.3									4.0	5.3
SE	.7	4.0	4.7	5.3	.7							15.3	9.2
SSE	.7	1.3	4.7	.7								7.3	7.3
S	2.7	7.3	1.3									11.3	4.9
SSW		1.3										1.3	4.5
SW	2.0	.7										2.7	3.3
WSW													
W		.7										.7	5.0
WNW		.7	2.0									2.7	6.8
NW	.7	2.0										2.7	4.8
NNW				.7								.7	11.0
VARBL													
CALM												15.3	
	11.3	38.7	24.7	9.3	.7							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	6.7	6.7	.7								15.3	6.5
NNE		7.3	4.7	.7								12.7	6.4
NE		6.0	2.0									8.0	5.8
ENE	2.0	2.0	2.0		.7							6.7	6.4
E	.7	2.0	2.0	.7								5.3	7.1
ESE	.7	2.0	.7									3.3	5.8
SE			2.7	6.7	1.3							10.7	12.3
SSE		.7	1.3	2.7								4.7	10.4
S	1.3	3.3	2.0									6.7	5.4
SSW		.7										.7	4.0
SW		.7										.7	6.0
WSW		.7	.7									1.3	6.5
W	.7		.7									1.3	5.0
WNW		1.3		.7								2.0	6.3
NW	2.0	2.7	.7									5.3	4.9
NNW	1.3	1.3										2.7	3.8
VARBL													
CALM												12.7	
	10.0	37.3	26.0	12.0	2.0							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.7	2.7	1.3								7.3	7.6
NNE	.7	1.3	2.7									4.7	7.4
NE		3.3	4.0	1.3								8.7	7.5
ENE		.7		2.7								3.3	11.2
E		.7	2.0	2.7								5.3	10.5
ESE	.7	1.3	.7									2.7	5.5
SE		3.3	1.3	1.3	.7			.7				7.3	11.5
SSE	2.0	1.3	3.3	4.0	.7							11.3	9.5
S	.7	9.3	7.3	3.3								20.7	7.5
SSW		2.0	1.3									3.3	5.6
SW	2.0	2.0	2.0									6.0	5.2
WSW		1.3		.7								2.0	7.7
W		4.0	4.0	.7								8.7	7.2
WNW	.7	.7	.7									2.0	6.0
NW	.7	.7	1.3									2.7	6.8
NNW			1.3									1.3	6.5
VARBL													
CALM												2.7	
	8.0	34.7	34.7	18.0	1.3			.7				100.0	

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	1.3	2.0	1.3	.7							6.0	8.4
NNE		1.3	.7	.7								2.7	7.5
NE			2.0	.7								2.7	10.5
ENE			.7	.7								1.3	10.0
E	.7	2.0	.7	.7								4.0	6.0
ESE		.7		.7								1.3	9.0
SE		4.0	2.0	.7								6.7	6.6
SSE		4.0	4.0	1.3	.7							10.0	8.1
S	2.7	4.0	11.3	2.7			.7					21.3	8.6
SSW		1.3	2.0	.7								4.0	8.5
SW	.7	8.0	5.3									14.0	6.2
WSW	.7	2.0	8.0	.7								11.3	7.4
W	.7	5.3	2.7	1.3								10.0	6.8
WNW		.7										.7	5.0
NW	.7	1.3	1.3	.7								4.0	6.8
NNW													
VARBL													
CALM												.0	
	6.7	36.0	42.7	12.7	1.3		.7					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.0	1.3	3.3								6.7	10.5
NNE	.7	.7	2.0									3.3	6.8
NE		1.3	1.3	.7								3.3	8.8
ENE				1.3	.7							2.0	15.0
E		1.3										1.3	5.5
ESE													
SE	.7			1.3								2.0	9.7
SSE		1.3	3.3									4.7	7.9
S		3.3	8.7	5.3	1.3							18.7	10.1
SSW		1.3	2.7	.7								4.7	7.4
SW	1.3	2.0	8.0	.7								12.0	7.1
WSW		8.0	10.7									18.7	7.0
W		7.3	9.3	.7								17.3	7.2
WNW		.7	1.3									2.0	6.0
NW		1.3	.7									2.0	7.0
NNW		.7										.7	5.0
VARBL													
CALM												.7	
	2.7	31.3	49.3	14.0	2.0							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.3			.7							4.0	7.0
NNE		2.7	.7	.7								4.0	7.7
NE			.7									.7	7.0
ENE	.7		.7									1.3	6.5
E			.7	.7	.7							2.0	12.7
ESE													
SE			.7	1.3	.7							2.7	13.0
SSE			1.3	2.7								4.0	11.5
S	1.3	4.7	9.3	2.0								17.3	7.7
SSW	.7	2.0	2.7	1.3								6.7	7.2
SW		10.7	2.7									13.3	5.4
WSW	1.3	10.0	2.7									14.0	5.5
W	1.3	8.7	6.0	1.3								17.3	6.5
WNW		2.7	2.7	.7								6.0	7.1
NW	.7	.7										1.3	3.5
NNW		.7										.7	6.0
VARBL													
CALM												4.7	
	6.0	46.0	30.7	10.7	2.0							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.3	.7	.7								4.7	6.4
NNE		1.3										1.3	6.0
NE		.7	.7									1.3	7.0
ENE		.7	1.3									2.0	6.7
E			1.3	.7		.7						2.7	13.3
ESE		1.3										1.3	6.0
SE		2.0	2.0	4.0								8.0	9.3
SSE		2.0	8.7	2.7	.7							14.0	9.5
S	.7	8.0	6.7	1.3								16.7	6.6
SSW	.7	3.3	.7									4.7	5.1
SW		5.7	2.0									8.7	5.8
WSW		4.0	2.7									6.7	6.3
W	.7	2.7	2.0	.7								6.0	6.8
WNW	.7	6.0	1.3		.7							8.7	6.2
NW		1.3		.7								2.0	7.3
NNW		1.3										1.3	5.0
VARBL													
CALM												10.0	
	2.7	44.7	30.0	10.7	1.3	.7						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	3.3	2.7	1.0	.2							7.8	7.2
NNE	.3	2.5	1.8	.4								5.1	6.7
NE	.3	2.6	1.7	.4								5.0	6.7
ENE	.3	.9	.8	.7	.2							3.0	8.3
E	.2	1.2	1.0	.6	.1	.1						3.4	8.4
ESE	.2	1.1	.7	.2								2.1	6.6
SE	.2	1.7	2.2	3.3	.4			.1				7.9	10.3
SSE	.3	2.2	3.8	2.2	.2							8.8	8.8
S	1.4	6.2	6.0	1.6	.2		.1					15.7	7.3
SSW	.2	1.8	1.2	.3								3.6	6.4
SW	.7	4.2	2.5	.1								7.6	5.8
WSW	.3	3.2	3.1	.2								6.8	6.6
W	.4	3.7	3.2	.6								8.0	6.8
WNW	.2	1.6	1.1	.3	.1							3.3	6.7
NW	.6	1.4	.5	.2								2.7	5.8
NNW	.2	.5	.2	.1								.9	5.8
VARBL													
CALM												8.2	
	6.7	38.4	32.4	12.7	1.3	.1	.1	.1				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	3.9	3.2									7.7	5.8
NNE	1.9	.6	1.3									3.9	4.8
NE	1.3	1.9										3.2	3.8
ENE		3.2	1.3									4.5	5.4
E	.6	2.6	.6									3.9	4.8
ESE		3.2	1.3	.6								5.2	6.6
SE	1.3	.6	1.3	.6								3.9	7.0
SSE		5.8	2.6									8.4	5.8
S	.6	4.5	.6									5.8	4.6
SSW	.6	1.3										1.9	4.0
SW		1.3										1.3	4.0
WSW	.6	1.9	1.9	.6								5.2	7.3
W	.6	2.6	1.3	.6	.6							5.8	7.9
WNW		1.3	1.9									3.2	7.0
NW	.6	2.6	1.3									4.5	5.3
NNW	.6	.6	1.9	.6	.6							4.5	8.3
VARBL													
CALM												27.1	
	9.7	38.1	20.6	3.2	1.3							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 03 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	13.5	4.5	.6								20.6	5.7
NNE	1.9	9.7	1.3									12.9	5.0
NE	1.3	3.9	.6									5.8	4.8
ENE	1.3	2.6										3.9	4.2
E	3.2	1.9										5.2	3.5
ESE	.6		.6									1.3	5.5
SE	.6	.6	1.3	1.3								3.9	8.8
SSE	.6		1.9									2.6	6.8
S	1.9	3.2										5.2	4.4
SSW	.6	.6										1.3	4.0
SW		.6										.6	4.0
WSW	1.3	.6										1.9	3.3
W	1.3	.6	1.3	.6								3.9	6.3
WNW		3.9	1.3	.6								5.8	6.6
NW		1.3										1.3	5.0
NNW		2.6	1.3	.6								4.5	7.0
VARBL													
CALM												19.4	
	16.8	45.8	14.2	3.9								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

ALL WEATHER (CLASS) | 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.2	11.0	12.3	1.3								29.7	6.2
NNE	1.9	5.2	8.4	1.3								16.8	6.8
NE	.6	7.7	3.9									12.3	6.1
ENE		1.9	.6									2.6	5.8
E		2.6	1.3									3.9	6.2
ESE													
SE	.6	2.6		.6								3.9	6.2
SSE	.6	1.3										1.9	4.3
S	.6	1.3	.6									2.6	4.8
SSW		1.3										1.3	5.0
SW	.6	.6										1.3	3.5
WSW													
W	.6		3.2	.6								4.5	8.4
WNW	1.3	.5	.6	.6	.6							3.9	8.2
NW		1.3	.6									1.9	5.3
NNW		.6	1.3									1.9	7.3
VARBL													
CALM												11.6	
	12.3	38.1	32.9	4.5	.6							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.9	8.4	4.5	1.3	.6						18.7	10.0
NNE	.6	3.2	5.8	2.6								12.3	8.9
NE		5.8	6.5	3.9								16.1	8.5
ENE	.6	.6	1.3	.6								3.2	7.0
E		3.2	2.6	2.6								8.4	8.9
ESE	.5	.6										1.3	4.5
SE	1.3	2.6	1.9									5.8	5.6
SSE		.6	1.3	2.6								4.5	11.1
S	.6	2.6	4.5	1.9								9.7	8.0
SSW	.6	.6	.6									1.9	5.0
SW		.6										.6	4.0
WSW	.6	1.3										1.9	5.0
W			3.9	1.9								5.8	9.6
WNW			.6	1.9	1.3							3.9	13.7
NW			1.9									1.9	9.0
NNW	.6	1.9		.6								3.2	6.4
VARBL													
CALM												.6	
	5.8	27.7	39.4	23.2	2.6	.6						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		6.5	4.5	3.2	1.3							15.5	9.0
NNE		2.6	1.9		.6							5.2	7.9
NE	.6	2.6	3.9									7.1	6.5
ENE		1.9	2.6	1.9								6.5	8.4
E		2.6	.6	1.3								4.5	8.0
ESE		.6										.6	5.0
SE		1.3	2.6		.6							4.5	8.3
SSE		1.9		.6								2.6	6.5
S	.6	3.9	5.8	3.2	.6							14.2	9.0
SSW	.6	1.3	1.3									3.2	5.8
SW	.6	.6	3.2									4.5	7.0
WSW	1.3	2.6	3.2									7.1	5.8
W	1.9	1.9	3.2	3.2								10.3	8.0
WNW		.6	1.3	1.9		.6						4.5	12.0
NW		.6	1.3	1.3								3.2	8.8
NNW	.6	1.3	2.6	.6								5.2	7.9
VARBL													
CALM												1.3	
	6.5	32.9	38.1	17.4	3.2	.6						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		5.2	8.4	3.9								17.4	8.5
NNE	.6		1.3	.6								2.6	8.5
NE		1.9	1.9									3.9	6.3
ENE	1.3		.6									1.9	5.3
E	1.3		1.3		.6							3.2	7.8
ESE	.6	1.3										1.9	4.0
SE		1.9	.6	.6								3.2	7.8
SSE		.6	1.9	.6	.6							3.9	10.0
S		3.2	2.6	2.6	1.3							9.7	9.6
SSW		2.6	1.9									4.5	6.3
SW		4.5										4.5	5.0
WSW	.6	11.0	3.9									15.5	5.7
W	1.9	7.7	3.2	3.9								16.8	7.2
WNW		1.9	.6	.6								3.2	8.2
NW		1.3	.6	.6								2.6	7.8
NNW		1.3	1.3	1.3								3.9	8.8
VARBL													
CALM												1.3	
	6.5	44.5	30.3	14.8	2.6							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.9	1.3									5.2	5.5
NNE		1.3	.6									1.9	5.3
NE			1.3									1.3	7.5
ENE		3.2		.6								3.9	6.2
E		.6	.6									1.3	6.0
ESE	.6		.6									1.3	5.0
SE		.6	.6	2.6								3.9	10.3
SSE			1.9									1.9	9.0
S	.6	.6	3.2	.6								5.2	7.6
SSW		1.9	1.3									3.2	6.2
SW	1.3	11.0										12.3	4.6
WSW	.6	3.9	.6									5.2	5.1
W	.6	14.2	3.9	1.9								20.6	6.4
WNW		3.9	.6	1.3								5.8	7.1
NW	1.3	5.8		.6								7.7	5.3
NNW		1.3	2.6	.6								4.5	7.0
VARBL													
CALM												14.8	
	7.1	50.3	19.4	8.4								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	1.9	1.9									5.8	5.3
NNE			.6									.6	9.0
NE	.6	3.9										4.5	4.7
ENE	.6	1.9	1.9									4.5	5.9
E	1.3	2.6										3.9	4.3
ESE		1.3	.6									1.9	5.3
SE		1.9	1.9	2.6								6.5	9.1
SSE		2.6	4.3	.6								7.7	7.5
S	.6	8.4	1.9									11.0	5.1
SSW	.6	3.2										3.9	4.8
SW	2.6	5.8										8.4	3.9
WSW	1.3	3.9	.6									5.8	4.1
W	1.9	4.5	1.9	3.2	1.3							12.9	8.6
WNW	.6	1.3	.6	.6								3.2	6.4
NW		1.9	1.3									3.2	5.8
NNW	.6	1.3		.6								2.6	6.3
VARBL													
CALM												13.5	
	12.9	46.5	18.1	7.7	1.3							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.5	6.0	5.6	1.7	.3	.1						15.1	7.3
NNE	.9	2.8	2.7	.6	.1							7.0	6.9
NE	.6	3.5	2.3	.5								6.8	6.5
ENE	.3	1.9	1.0	.4								3.9	6.2
E	.8	2.0	.9	.3	.1							4.3	6.5
ESE	.3	.9	.4	.1								1.7	5.5
SE	.5	1.5	1.3	1.0	.1							4.4	7.9
SSE	.2	1.6	1.8	.6	.1							4.2	7.6
S	.7	3.5	2.4	1.0	.4							7.9	7.2
SSW	.4	1.6	.6									2.7	5.4
SW	.6	3.1	.4									4.2	4.7
WSW	.8	3.1	1.3	.1								5.3	5.5
W	1.1	4.0	2.7	2.0	.2							10.1	7.6
WNW	.2	1.7	1.0	1.0	.2	.1						4.2	8.6
NW	.2	1.9	.9	.3								3.3	6.3
NNW	.3	1.4	1.4	.6	.1							3.8	7.5
VARBL													
CALM												11.2	
	9.7	40.5	26.6	10.4	1.5	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	17.3	6.0	1.3								27.3	6.0
NNE	1.3	5.3	1.3									8.0	4.8
NE	1.3	4.7										6.0	4.2
ENE	.7	2.7										3.3	4.4
E	.7	2.7										3.3	4.4
ESE		.7										.7	4.0
SE			1.3									1.3	8.0
SSE		.7	1.3									2.0	6.7
S	.7	2.7										3.3	4.0
SSW	.7	.7										1.3	4.5
SW		.7		.7								1.3	10.0
WSW		.7	.7									1.3	6.0
W	.7	1.3	.7	1.3								4.0	8.0
WNW		.7	1.3	.7								2.7	9.0
NW		2.0	1.3	1.3	.7							5.3	9.6
NNW	2.0	1.3	1.3	1.3	.7							6.7	7.9
VARBL													
CALM												22.0	
	10.7	44.0	15.3	6.7	1.3							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 150

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.7	18.7	10.7	.7	.7							35.3	5.9
NNE	3.3	8.0	5.3									16.7	5.5
NE	2.0	4.0	.7									6.7	4.3
ENE	1.3	2.7										4.0	4.5
E		.7										.7	4.0
ESE	.7	.7										1.3	4.0
SE			.7									.7	10.0
SSE													
S	.7	1.3	.7									2.7	4.8
SSW													
SW													
WSW	.7	1.3		.7								2.7	5.8
W	1.3	3.3	.7	.7								6.0	5.9
WNW			.7	1.3								2.0	10.3
NW		2.7										2.7	4.5
NNW	.7	2.0	2.7	.7								6.0	7.3
VARBL													
CALM												12.7	
	15.3	45.3	22.0	4.0	.7							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.7	15.3	17.3	5.3	.7							41.3	7.5
NNE	2.0	7.3	7.3	1.3								18.0	6.8
NE	1.3	6.0	1.3	.7								9.3	5.4
ENE	1.3	.7	.7									2.7	4.5
E		1.3	.7									2.0	5.3
ESE	.7	.7	.7									2.0	4.7
SE		.7										.7	4.0
SSE	.7	.7										1.3	3.5
S	.7	.7		.7								2.0	6.0
SSW	1.3	.7										2.0	3.3
SW		2.0										2.0	4.0
WSW		.7										.7	4.0
W		2.7	1.3	.7								4.7	7.0
WNW		2.0	.7									2.7	5.8
NW			.7									.7	9.0
NNW	.7	.7		.7								2.0	6.7
VARBL													
CALM												6.0	
	11.3	42.0	30.7	9.3	.7							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 150

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 11 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	5.3	11.3	13.3	2.0	.7						34.0	10.5
NNE	.7	3.3	13.3	6.7								24.0	9.0
NE	.7	4.7	5.3	1.3								12.0	7.2
ENE	.7	.7	1.3									2.7	6.3
E		.7	.7									1.3	6.5
ESE		.7										.7	4.0
SE			.7									.7	9.0
SSE	.7											.7	3.0
S	.7		2.7	.7								4.0	8.0
SSW		.7										.7	4.0
SW	.7											.7	3.0
WSW													
W		1.3	2.7	2.7								6.7	10.1
WNW			1.3	3.3								4.7	11.0
NW			1.3	.7								2.0	10.0
NNW	.7		.7	1.3	.7							3.3	11.2
VARBL													
CALM												2.0	
	6.0	17.3	41.3	30.0	2.7	.7						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	6.7	12.0	14.0	1.3							35.3	10.0
NNE		1.3	4.7	1.3								7.3	8.3
NE		2.7	3.3	.7								6.7	7.1
ENE	2.0	.7	1.3									4.0	5.5
E		1.3	.7									2.0	6.7
ESE	.7											.7	3.0
SE	1.3		1.3									2.7	5.5
SSE		.7										.7	6.0
S		2.0	2.0									4.0	6.2
SSW	1.3		.7									2.0	4.7
SW	.7	.7	2.7	.7								4.7	7.7
WSW		.7	.7									1.3	6.0
W	1.3	2.0	3.3	2.7								9.3	8.1
WNW		2.7	1.3	2.0	.7							6.7	10.1
NW		1.3	2.0	.7								4.0	7.8
NNW		1.3	3.3	1.3	1.3							7.3	10.7
VARBL													
CALM	X	X	X	X	X	X	X	X	X	X	X	1.3	
	8.7	24.0	39.3	23.3	3.3							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 150

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	7.3	13.3	4.7								26.7	8.0
NNE		2.7	1.3									4.0	6.2
NE	.7			.7								1.3	7.0
ENE		1.3	.7									2.0	5.7
E		1.3	.7									2.0	5.3
ESE		1.3										1.3	4.5
SE	.7		.7									1.3	5.0
SSE		1.3	1.3									2.7	6.8
S		2.7	3.3									6.0	6.9
SSW		.7	2.0									2.7	7.3
SW		1.3										1.3	5.0
WSW	.7	6.0										6.7	4.8
W		6.7	4.0	2.0								12.7	7.2
WNW			5.3	.7								6.0	6.0
NW		2.0	3.3	.7								6.0	7.6
NNW		2.0	7.3	4.0	.7							14.0	6.3
VARBL													
CALM												3.3	
	3.3	36.7	43.3	12.7	.7							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3	8.0	6.0									15.3	5.7
NNE		.7										.7	6.0
NE	.7	.7										1.3	4.5
ENE			.7									.7	8.0
E		.7										.7	6.0
ESE													
SE		.7	1.3									2.0	7.0
SSE	.7	.7	1.3									2.7	6.0
S	1.3	3.3	2.0									6.7	5.3
SSW		2.0										2.0	4.3
SW	.7	1.3										2.0	4.3
WSW	.7	2.7	.7									4.0	5.3
W	2.0	6.7	4.7									13.3	6.0
WNW		5.3	1.3	.7								7.3	6.4
NW	1.3	9.3	4.7	.7								16.0	6.2
NNW	.7	2.7	4.0	1.3								8.7	7.2
VARBL													
CALM												16.7	
	9.3	44.7	26.7	2.7								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 150

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	8.7	5.3	2.0								16.7	7.0
NNE	.7		.7									1.3	5.5
NE	.7	1.3										2.0	4.3
ENE		2.0										2.0	4.3
E	1.3	2.7										4.0	4.2
ESE	.7	1.3										2.0	4.0
SE		2.0	1.3	.7								4.0	7.3
SSE		.7	2.0	1.3								4.0	8.5
S	.7	4.0	.7									5.3	4.9
SSW	1.3	2.0										3.3	4.0
SW	.7	2.0										2.7	4.0
WSW	1.3	1.3	.7									3.3	4.2
W	.7	2.7	4.0									7.3	6.4
WNW	1.3	1.3	1.3	.7								4.7	7.1
NW	.7	2.0	2.0	1.3								6.0	7.4
NNW	2.0	3.3	2.0									7.3	5.3
VARBL													
CALM												24.0	
	12.7	37.3	20.0	6.0								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

ALL WEATHER (CLASS) | ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.0	10.9	10.2	5.2	.6	.1						29.0	7.8
NNE	1.0	3.6	4.2	1.2								10.0	7.1
NE	.9	3.0	1.3	.4								5.7	5.8
ENE	.7	1.3	.6									2.7	5.1
E	.2	1.4	.3									2.0	5.1
ESE	.3	.7	.1									1.1	4.2
SE	.2	.4	.9	.1								1.7	6.8
SSE	.2	.6	.7	.2								1.7	6.6
S	.6	2.1	1.4	.2								4.2	5.8
SSW	.6	.8	.3									1.7	4.7
SW	.3	1.0	.3	.2								1.8	5.8
WSW	.4	1.7	.3	.1								2.5	5.1
W	.7	3.3	2.7	1.2								8.0	7.2
WNW	.2	1.5	1.7	1.2	.1							4.6	8.5
NW	.2	2.4	1.9	.7	.1							5.3	7.3
NNW	.8	1.7	2.7	1.3	.4							6.9	8.3
VARBL													
CALM												11.0	
	9.7	35.4	29.8	11.8	1.2	.1						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1200

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 02 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	14.2	7.7	1.9								24.5	6.5
NNE	1.3	4.5	1.3									7.1	5.1
NE		4.5										4.5	4.7
ENE		3.9										3.9	4.7
E		.6										.6	6.0
ESE	1.3	.6	.6									2.6	4.5
SE		1.9	1.3									3.2	6.2
SSE	.6	1.3										1.9	4.0
S		1.3										1.3	4.5
SSW		1.9										1.9	4.3
SW	.6	.6										1.3	4.5
WSW		1.9										1.9	4.7
W		1.3										1.3	5.0
WNW		1.3		.6								1.9	6.7
NW		.6	5.8	.6								7.1	8.2
NNW	.6	1.3	6.5	2.6	.6							11.6	9.0
VARBL													
CALM												23.2	
	5.2	41.9	23.2	5.8	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 05 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	5.2	18.7	9.7	4.5								38.1	6.5
NNE	2.6	10.3	4.5									17.4	5.1
NE	5.2	6.5	1.3									12.9	4.1
ENE		1.9										1.9	5.0
E	.6	1.9										2.6	3.8
ESE		.6										.6	4.0
SE			.6									.6	7.0
SSE		.6										.6	4.0
S	.6											.6	3.0
SSW													
SW	.6											.6	3.0
WSW	1.3	1.3										2.6	4.3
W		.6	.6									1.3	6.0
WNW				.6								.6	12.0
NW	1.9	1.3	.6	.6								4.5	5.9
NNW	.6	1.3	4.5									6.5	7.5
VARBL													
CALM												8.4	
	18.7	45.2	21.9	5.8								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 08 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.2	14.2	16.8	5.8								40.0	7.6
NNE	2.6	12.3	7.1	.6								22.6	6.1
NE	1.9	4.5	2.6									9.0	5.5
ENE	.6	1.3	.6									2.6	4.8
E		2.6										2.6	4.5
ESE													
SE		1.3										1.3	5.5
SSE		.6										.6	4.0
S	.6											.6	3.0
SSW													
SW	.6											.6	3.0
WSW		.6										.6	6.0
W	1.3											1.3	3.0
WNW			1.3									1.3	7.5
NW	.6	.6	1.3	1.3								3.9	8.3
NNW	.6	.6	3.9	.6								5.8	7.7
VARBL													
CALM												7.1	
	12.3	38.7	33.5	8.4								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	7.7	13.5	16.1	2.6							40.6	10.3
NNE	.6	5.2	11.0	3.2								20.0	8.2
NE		5.2	3.9	3.2								12.3	8.1
ENE	.6	1.3	.6									2.6	5.5
E	.6	2.6										3.2	4.0
ESE	.6	.6										1.3	4.5
SE	.6	.6	1.3									2.6	7.0
SSE		.6	.6									1.3	7.0
S		1.3										1.3	5.0
SSW			.6									.6	8.0
SW		.6	.6									1.3	5.5
WSW		.6										.6	4.0
W		.6										.6	4.0
WNW		.6	.6									1.3	8.0
NW			1.3	1.3								2.6	11.5
NNW		.6	.6	2.6	.6							4.3	12.1
VARBL													
CALM												3.2	
	3.9	28.4	34.8	26.5	3.2							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

14 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.9	8.4	11.6	13.5	3.2							38.7	10.0
NNE		5.2	4.5	1.9								11.6	7.9
NE	.6	2.6	3.9	1.3								8.4	7.8
ENE		1.3	2.6									3.9	6.7
E		.6	.6									1.3	6.0
ESE													
SE		.6	1.3	.6								2.6	9.5
SSE	.6	1.3										1.9	4.7
S	.6	2.6	2.6	1.3								7.1	7.5
SSW			.6									.6	10.0
SW	.6	.6										1.3	4.0
WSW	.6		.6									1.3	6.0
W	.6	1.9		.6								3.2	6.0
WNW		.6		.6								1.3	8.0
NW	.6			.6	.6							1.9	12.0
NNW	.6		3.9	7.1	.6							12.3	11.5
VARBL													
CALM												2.6	
	7.1	25.8	32.3	27.7	4.5							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

17 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	7.7	19.4	7.1	.6							37.4	8.2
NNE		1.3		1.3								2.6	8.0
NE	1.3	2.6	1.3									5.2	5.0
ENE		1.9	.6									2.6	5.8
E		.6										.6	5.0
ESE		.6										.6	5.0
SE		1.3	.6									1.9	7.0
SSE		1.3										1.3	5.0
S	1.3	3.9	3.2	1.3								9.7	6.4
SSW		.6	.6									1.3	6.5
SW	.6	2.6										3.2	4.6
WSW		1.9	.6									2.6	4.8
W	.6	2.6	.6	.6								4.5	5.6
WNW		1.3	.6	.6								2.6	8.0
NW		1.3	1.9	3.2								6.5	9.8
NNW		3.2	5.8	4.5								13.5	9.0
VARBL													
CALM												3.9	
	6.5	34.8	35.5	18.7	.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 20 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	10.3	7.7	1.9								22.6	6.3
NNE	.6	1.9										2.6	4.5
NE	1.3	.6										1.9	3.3
ENE			.6									.6	10.0
E			1.3									1.3	8.5
ESE	.6											.6	3.0
SE	1.3	.6										1.9	3.7
SSE		1.3	.6									1.9	5.3
S	1.9	1.9	1.3									5.2	5.3
SSW		.6	.6									1.3	6.5
SW	1.3	.6										1.9	3.7
WSW		1.9										1.9	5.3
W	2.6	5.2	.6	.6								9.0	5.3
WNW	1.3	9.7	3.2									14.2	5.3
NW	.6	12.3	2.6									15.5	5.4
NNW	.6	3.2	1.3	1.3								6.5	6.8
VARBL													
CALM												11.0	
	14.8	59.3	20.0	3.9								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 155

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 23 (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.6	11.0	3.9	1.9								19.4	6.2
NNE	1.3	3.2										4.5	4.4
NE	1.3	1.9	.6									3.9	4.3
ENE	.6	3.9										4.5	4.1
E		.6										.6	4.0
ESE	.6	.6										1.3	4.0
SE			2.6									2.6	8.3
SSE		1.3	1.9									3.2	6.2
S	1.9	4.5		.6								7.1	4.8
SSW	.6	1.9										2.6	4.0
SW	1.9	.6										2.6	3.3
WSW	.6	.6	.6									1.9	4.7
W	1.3	2.6		.6								4.5	5.7
WNW	.6	2.6	1.3									4.5	5.9
NW		4.5	1.9	.6								7.1	6.5
NNW		.6	3.2	1.9								5.8	9.6
VARBL													
CALM												23.9	
	13.5	40.6	16.1	5.8								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	2.4	11.5	11.3	6.6	.8							32.7	8.0
NNE	1.1	5.5	3.5	.9								11.0	6.5
NE	1.5	3.5	1.7	.6								7.3	5.8
ENE	.2	1.9	.6									2.8	5.3
E	.2	1.2	.2									1.6	4.9
ESE	.4	.4	.1									.9	4.3
SE	.2	.8	1.0	.1								2.1	6.9
SSE	.2	1.0	.4									1.6	5.3
S	.9	1.9	.9	.4								4.1	5.9
SSW	.1	.6	.3									1.0	5.6
SW	.8	.7	.1									1.6	4.1
WSW	.3	1.1	.2									1.7	4.9
W	.8	1.9	.2	.3								3.2	5.4
WNW	.2	2.0	.9	.3								3.5	6.3
NW	.5	2.6	1.9	1.0	.1							6.1	7.4
NNW	.4	1.4	3.7	2.6	.2							8.3	9.2
VARBL													
CALM												10.4	
	10.2	38.2	27.2	12.8	1.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) ALL (MONTH)

ALL WEATHER (CLASS) ALL (HOURS (L.S.T.))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	5.2	4.8	2.2	.3	.0						13.8	7.8
NNE	.6	2.4	1.9	.4	.0							5.3	6.6
NE	.6	2.1	1.2	.3	.0	.0						4.3	6.2
ENE	.4	1.2	.6	.2	.0							2.4	5.9
E	.3	1.2	.4	.2	.0	.0						2.1	6.0
ESE	.3	.7	.3	.1								1.5	5.6
SE	.3	1.3	1.7	1.5	.2	.0		.0				5.0	9.2
SSE	.3	1.9	3.1	2.0	.4							7.6	9.1
S	.8	4.1	4.5	2.1	.2		.0					11.8	7.8
SSW	.4	1.8	1.4	.3	.0		.0					3.9	6.7
SW	.6	3.0	2.0	.3	.0	.0						5.8	6.2
WSW	.7	2.7	2.5	.4	.0							6.3	6.5
W	.7	3.7	3.7	1.7	.3	.0						10.1	7.9
WNW	.3	1.4	1.4	1.2	.1	.0						4.4	8.5
NW	.4	1.6	1.4	.5	.1							4.0	7.1
NNW	.3	1.1	1.5	.8	.1	.0						3.7	8.1
VARBL													
CALM												8.0	
	7.8	35.4	32.4	14.2	2.0	.1	.0	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 14608

5702 SURFACE WINDS JAN 78

DIRNAVOCEANMET SMOS

H2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) ALL (MONTH)

INSTRUMENT (CLASS) ALL (HOURS (L.S.T.))

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE, AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE (CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		9.5	4.8	2.4	4.8							21.4	9.4
NNE		2.4		2.4								4.8	11.0
NE													
ENE	2.4	2.4										4.8	3.5
E													
ESE	2.4											2.4	3.0
SE					2.4							2.4	21.0
SSE													
S		2.4		2.4			2.4					7.1	15.0
SSW		2.4		2.4								4.8	8.5
SW		2.4		2.4								4.8	8.0
WSW													
W				2.4	7.1	4.8						14.3	19.3
WNW		2.4		9.5	7.1							19.0	14.9
NW		2.4			2.4							4.8	12.0
NNW				2.4								2.4	15.0
VARBL													
CALM												7.1	
	4.8	26.2	4.8	26.2	23.8	4.8	2.4					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 42

DIRNAVOCEANMET SMOS

5702 SURFACE WINDS JAN 78

NWSD, Federal Building

Asheville, N. C.

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅞	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800																
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0.
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0. From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of $\geq$ 1500 feet with $\geq$ 3 miles, subtracted from 97.4 read from the table at the intersection of $\geq$ 500 feet with $\geq$ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling $\geq$ 500 feet with visibility $\geq$ 1 mile, but < 3 miles; or ceiling $\geq$ 500 feet, but < 1500 feet with visibility $\geq$ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS	TENTHS
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | 02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.1	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 20000	47.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	47.7	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	47.7	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 14000	49.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000	49.7	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000	51.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	52.3	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	53.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	53.6	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	54.2	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	54.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	54.2	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	54.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	54.8	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	55.5	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS V

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

05 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.1	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 20000	49.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	49.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 16000	49.0	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	50.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 12000	52.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 10000	54.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 9000	54.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 8000	55.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 7000	56.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 6000	56.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 5000	57.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4500	57.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	57.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3500	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 100	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
0	57.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JAN (MONTH) | 08 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 20000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 18000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 16000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 14000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 12000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 10000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 9000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0
0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

11 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 20000	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 18000	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 16000	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 14000	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	94.8	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 10000	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	97.4	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	97.4	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	97.4	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	97.4	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	97.4	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

14 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 20000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 16000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 14000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 10000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 9000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5/03 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JAN (MONTH)

17 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.5	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 20000	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 18000	83.9	84.5	84.5	84.5	84.5	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 16000	85.2	85.8	85.8	85.8	85.8	85.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 14000	87.7	88.4	88.4	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 12000	91.0	91.6	91.6	91.6	91.6	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 10000	93.6	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	94.8	95.5	95.5	95.5	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	94.8	95.5	95.5	95.5	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	94.8	95.5	95.5	95.5	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	95.5	96.1	96.1	96.1	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	96.8	97.4	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	96.8	97.4	97.4	97.4	98.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.4	98.1	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

20 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.5	84.5	85.2	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 20000	47.7	85.8	86.5	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 18000	48.4	86.5	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 16000	49.0	87.1	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 14000	51.0	89.0	89.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 12000	51.6	89.7	90.3	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 10000	54.2	92.9	93.6	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 9000	54.2	92.9	93.6	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 8000	54.8	93.6	94.2	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 7000	55.5	94.2	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 6000	55.5	94.2	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 5000	57.4	96.1	96.8	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4500	57.4	96.1	96.8	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	59.4	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

23 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.9	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 20000	43.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	44.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 16000	44.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	47.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 12000	47.1	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 10000	50.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000	51.6	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 8000	52.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 7000	52.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 6000	52.9	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	54.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	54.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	54.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	55.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JAN (MONTH)

ALL (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.7	82.4	82.7	82.7	82.7	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 20000	66.9	86.9	87.2	87.3	87.3	87.3	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 18000	67.7	87.8	88.1	88.2	88.2	88.2	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 16000	68.3	88.6	88.9	89.0	89.0	89.0	89.3	89.3	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 14000	70.2	90.6	90.8	90.9	91.0	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 12000	71.9	92.6	92.8	92.9	93.0	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 10000	74.1	94.9	95.2	95.3	95.4	95.4	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 9000	74.6	95.4	95.7	95.8	95.9	95.9	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 8000	75.3	96.1	96.5	96.5	96.7	96.7	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 7000	75.7	96.5	96.8	96.9	97.0	97.0	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	76.1	96.9	97.3	97.3	97.5	97.5	97.7	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 5000	76.8	97.7	98.1	98.2	98.3	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	76.8	97.7	98.1	98.2	98.3	98.3	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	77.4	98.4	98.7	98.8	99.0	99.0	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	77.5	98.6	98.9	99.0	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 3000	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
≥ 100	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
0	77.7	98.7	99.1	99.2	99.4	99.4	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	36.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 20000	36.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 18000	36.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 16000	37.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 14000	37.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 12000	37.6	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 10000	38.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 9000	38.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 8000	39.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 7000	39.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 6000	39.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 5000	39.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	40.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

TUCSON ARIZONA — STATION NAME | 73-77 — YEARS | FEB — MONTH | 05 — HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 20000	33.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 18000	33.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 16000	33.3	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 14000	34.8	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 12000	35.5	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 10000	37.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 9000	37.6	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 8000	38.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 7000	38.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 6000	38.3	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 5000	38.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 4500	38.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 4000	39.0	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	39.0	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	39.0	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	39.0	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	39.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

08 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	80.1	80.1	80.1	80.1	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 20000	88.7	88.7	88.7	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 18000	88.7	88.7	88.7	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 16000	89.4	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 14000	90.8	90.8	90.8	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 12000	91.5	91.5	91.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 10000	95.0	95.0	95.0	95.0	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 9000	95.7	95.7	95.7	95.7	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 8000	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 7000	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 6000	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 5000	97.9	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4500	97.9	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4000	97.9	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3500	97.9	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 3000	97.9	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	97.9	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

11 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 20000	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 18000	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 16000	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 14000	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 12000	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 10000	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 9000	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 8000	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 7000	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 6000	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 5000	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 4500	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 4000	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3500	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 3000	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

14 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.8	73.8
≥ 20000	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	85.1	85.1
≥ 18000	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.8	85.8
≥ 16000	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	87.2	87.2
≥ 14000	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.9	87.9
≥ 12000	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.8	90.8
≥ 10000	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 9000	91.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 8000	92.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.3	94.3
≥ 7000	92.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.0	95.0
≥ 6000	92.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.0	95.0
≥ 5000	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.5	96.5
≥ 4500	94.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	96.5	96.5
≥ 4000	95.7	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.6	98.6
≥ 3500	95.7	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.6	98.6
≥ 3000	95.7	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.6	98.6
≥ 2500	96.5	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	99.3	99.3
≥ 2000	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 1800	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 1500	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 1200	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 1000	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 900	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 800	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 700	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 600	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 500	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 400	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 300	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 200	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
≥ 100	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0
0	97.2	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | FEB MONTH

17 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 20000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 18000	82.3	82.3	82.3	82.3	83.0	83.0	83.0	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 16000	83.0	83.0	83.0	83.0	83.7	83.7	83.7	83.7	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 14000	85.1	85.1	85.1	85.1	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 12000	87.9	87.9	87.9	87.9	88.7	88.7	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 10000	91.5	91.5	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 9000	92.2	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 8000	93.6	93.6	93.6	93.6	94.3	94.3	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 7000	94.3	94.3	94.3	94.3	95.0	95.0	95.0	95.0	95.0	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 6000	96.5	96.5	96.5	96.5	97.2	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 5000	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4500	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4000	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | FEB (MONTH)

20 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.6	81.6	81.6	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 20000	35.5	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 18000	36.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 16000	36.2	87.9	87.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 14000	37.6	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 12000	38.3	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 10000	38.3	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 9000	38.3	95.7	95.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 8000	39.0	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 7000	39.0	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 6000	39.0	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 5000	39.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	39.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	39.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	39.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	39.7	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	39.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) FEB (MONTH)

23 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.8	89.4	89.4	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 20000	35.5	90.1	90.1	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 18000	36.2	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 16000	36.2	90.8	90.8	90.8	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 14000	36.9	92.2	92.2	92.2	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 12000	36.9	93.6	93.6	93.6	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 10000	38.3	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 9000	38.3	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 8000	38.3	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 7000	38.3	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 6000	38.3	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 5000	39.0	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	39.0	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	39.0	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	39.0	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	39.0	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 141

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	54.5	80.7	80.7	80.8	80.9	80.9	80.9	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.2	81.2
≥ 20000	60.2	87.0	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.4	87.4	87.4	87.4	87.4	87.5	87.5
≥ 18000	60.6	87.4	87.4	87.5	87.7	87.7	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 16000	61.3	88.1	88.1	88.2	88.4	88.4	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 14000	62.3	89.5	89.5	89.6	89.8	89.8	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.2	90.2
≥ 12000	63.5	91.2	91.2	91.3	91.5	91.5	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 10000	65.5	94.7	94.7	94.8	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.3	95.3
≥ 9000	65.7	94.9	94.9	95.0	95.1	95.1	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.5	95.5
≥ 8000	66.6	96.3	96.3	96.4	96.5	96.5	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥ 7000	66.8	96.5	96.5	96.5	96.7	96.7	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.1	97.1
≥ 6000	67.0	96.7	96.7	96.8	97.0	97.0	97.1	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	67.7	97.7	97.7	97.8	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 4500	67.8	97.8	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.4	98.4
≥ 4000	68.3	98.2	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 3500	68.3	98.2	98.3	98.5	98.7	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0
≥ 3000	68.4	98.5	98.7	98.9	99.0	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4	99.4
≥ 2500	68.4	98.7	98.9	99.0	99.2	99.2	99.3	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.6
≥ 2000	68.7	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 1800	68.7	99.0	99.2	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9
≥ 1500	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 1200	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 1000	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 900	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 800	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 700	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 600	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 500	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 400	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 300	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 0	68.8	99.1	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1128

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH)

02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.2	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000	36.1	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 18000	36.1	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 16000	36.1	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 14000	36.1	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	36.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 10000	36.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	37.4	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	38.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	38.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	38.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

05 (HOURS (L S T.))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.5	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 20000	37.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 18000	37.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 16000	38.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 14000	38.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	38.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 10000	38.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	38.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	38.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	38.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	38.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	38.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	38.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	38.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

08 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 20000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 18000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 16000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 14000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 12000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 10000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 8000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAR (MONTH) | 11 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	82.6	82.6	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 20000	88.4	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 18000	89.0	89.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 16000	89.0	89.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 14000	91.0	91.0	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 12000	91.6	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000	94.2	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	94.8	94.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	96.1	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	97.4	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	97.4	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAR (MONTH) | 14 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.8	74.8	76.1	76.8	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	81.3	81.3	82.6	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 18000	81.9	81.9	83.2	83.9	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 16000	81.9	81.9	83.2	83.9	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 14000	83.9	83.9	85.2	85.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 12000	83.9	83.9	85.2	85.8	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 10000	85.8	85.8	87.1	87.7	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 9000	87.1	87.1	88.4	89.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 8000	87.7	87.7	89.0	89.7	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 7000	89.0	89.0	90.3	91.0	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 6000	91.0	91.0	92.3	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 5000	95.5	95.5	96.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	95.5	95.5	96.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.1	96.1	97.4	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAR (MONTH) 17 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.2	75.5	75.5	76.1	77.4	77.4	78.1	78.1	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 20000	83.9	85.2	85.2	85.8	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
< 20000 ≥ 18000	83.9	85.2	85.2	85.8	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
< 18000 ≥ 16000	83.9	85.2	85.2	85.8	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
< 16000 ≥ 14000	83.9	85.2	85.2	85.8	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
< 14000 ≥ 12000	84.5	85.8	85.8	86.5	87.7	87.7	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0
< 12000 ≥ 10000	85.8	87.1	87.1	87.7	89.0	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
< 10000 ≥ 9000	85.8	87.1	87.1	87.7	89.0	89.0	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
< 9000 ≥ 8000	87.1	88.4	88.4	89.0	90.3	90.3	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6
< 8000 ≥ 7000	89.7	91.0	91.0	91.6	92.9	92.9	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2
< 7000 ≥ 6000	92.3	93.6	93.6	94.2	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
< 6000 ≥ 5000	94.8	96.1	96.1	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
< 5000 ≥ 4500	94.8	96.1	96.1	96.8	98.1	98.1	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4
< 4500 ≥ 4000	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 4000 ≥ 3500	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 3500 ≥ 3000	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 3000 ≥ 2500	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 2500 ≥ 2000	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 2000 ≥ 1800	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 1800 ≥ 1500	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 1500 ≥ 1200	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 1200 ≥ 1000	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 1000 ≥ 900	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 900 ≥ 800	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 800 ≥ 700	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 700 ≥ 600	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 600 ≥ 500	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 500 ≥ 400	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 400 ≥ 300	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 300 ≥ 200	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 200 ≥ 100	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
< 100 0	95.5	96.8	96.8	97.4	98.7	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

AD-A062 047 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) YUMA, AZ--ETC(U)
JUL 78

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3 OF 4
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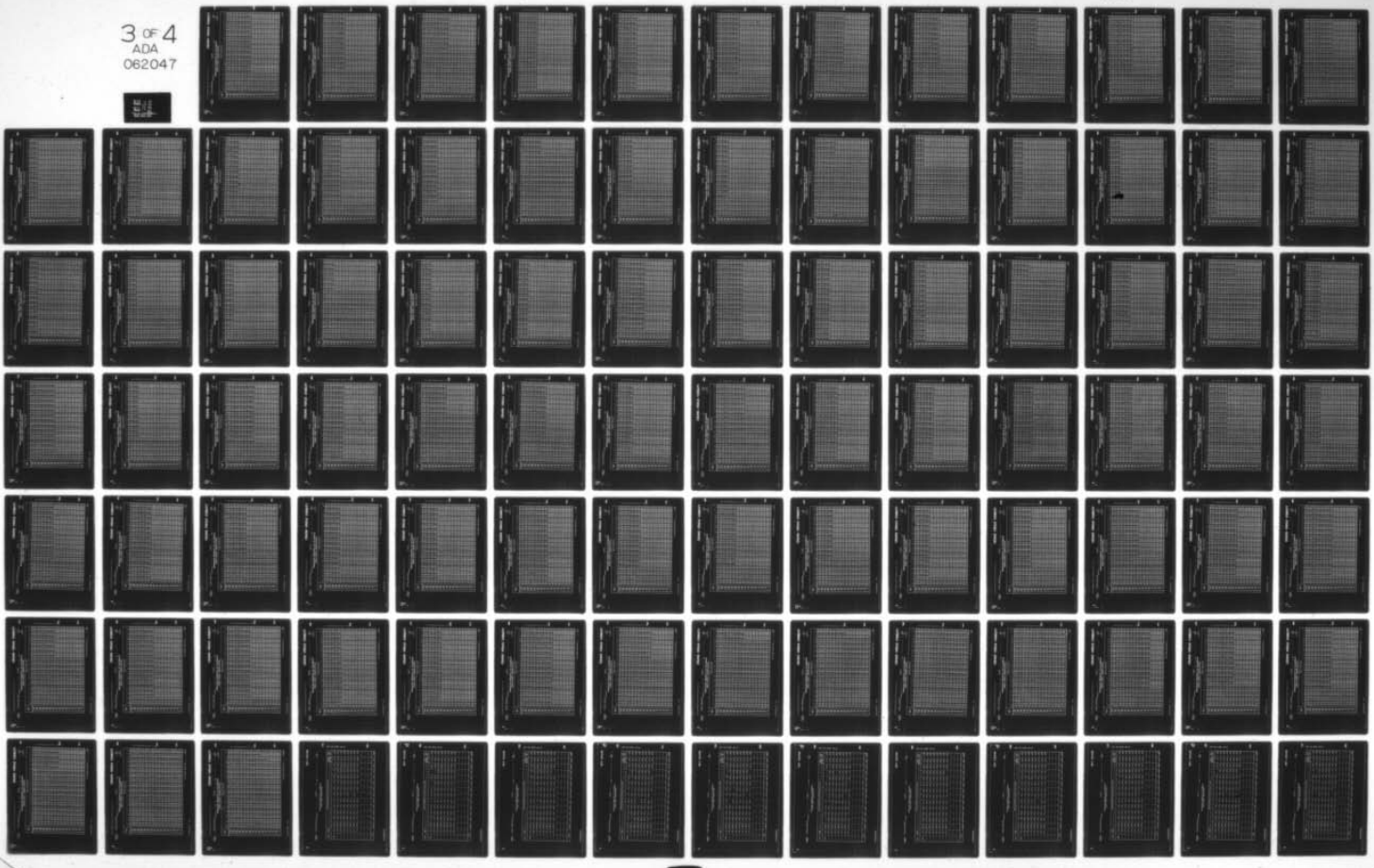

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.9	83.2	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 20000	35.5	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 18000	35.5	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	35.5	89.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 14000	35.5	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	35.5	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 10000	36.1	92.9	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 9000	36.1	94.2	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	36.1	94.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 7000	36.8	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	37.4	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	37.4	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4500	37.4	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4000	37.4	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	37.4	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	38.1	98.1	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 — STATION | YUMA, ARIZONA — STATION NAME | 73-77 — YEARS | MAR — MONTH

23 — HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.5	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 20000	36.1	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 18000	36.1	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	36.1	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 14000	36.1	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 12000	36.1	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	36.1	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000	36.8	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 8000	36.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 7000	38.1	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	38.7	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	38.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	38.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	39.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAR (MONTH)

ALL (HOURS (L.S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	55.9	82.5	83.0	83.2	83.6	83.6	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 20000	60.6	88.6	89.1	89.3	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 18000	60.8	89.0	89.5	89.7	90.2	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 16000	60.9	89.2	89.8	89.9	90.4	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 14000	61.9	90.8	91.4	91.5	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000	62.3	91.3	91.9	92.0	92.5	92.6	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 10000	63.4	92.4	93.0	93.2	93.6	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 9000	63.9	93.1	93.6	93.8	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 8000	64.8	94.5	95.1	95.2	95.7	95.8	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 7000	65.7	95.5	96.1	96.2	96.7	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 6000	66.6	96.5	97.1	97.3	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	67.6	97.7	98.3	98.5	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	67.6	97.7	98.3	98.5	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	67.8	98.0	98.7	98.9	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500	67.8	98.0	98.7	98.9	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	68.0	98.2	99.0	99.1	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	68.0	98.2	99.0	99.2	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

02 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 20000	38.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 18000	38.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 16000	38.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 14000	38.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 12000	40.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 10000	40.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	40.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	40.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	40.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 6000	40.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

05 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 20000	39.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 18000	39.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 16000	39.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 14000	39.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 12000	40.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 10000	40.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	40.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	40.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	40.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	40.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	40.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | APR (MONTH) | 08 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	91.3	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 20000	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 18000	95.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 16000	95.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 14000	95.3	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 12000	96.0	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	97.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	97.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	97.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	97.3	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	91.3	92.0	92.0	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 20000	94.0	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 18000	94.0	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 16000	94.0	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 14000	94.7	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 12000	96.0	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	96.7	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	96.7	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	96.7	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	96.7	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	96.7	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	97.3	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	97.3	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	97.3	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	98.0	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

14 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	88.0	88.0	88.0	88.0	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 20000	92.0	92.0	92.0	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 18000	92.0	92.0	92.0	92.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 16000	92.7	92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	92.7	92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 12000	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 10000	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 9000	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 8000	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 7000	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 6000	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 5000	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | APR MONTH | 17 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	86.7	86.7	86.7	87.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 20000	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 18000	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 16000	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 14000	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 12000	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 10000	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 9000	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 8000	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 7000	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 6000	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

20 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.0	90.0	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 20000	42.0	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 18000	42.0	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 16000	42.0	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 14000	42.7	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 12000	43.3	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	43.3	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	44.0	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 8000	44.0	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 7000	44.0	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 6000	44.0	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	44.0	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	44.0	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	44.0	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	44.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | APR (MONTH)

23 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.7	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 20000	39.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 18000	39.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 16000	39.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 14000	39.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 12000	39.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 10000	39.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	39.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	39.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	39.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	39.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	39.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	39.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	39.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	39.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	39.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

ALL (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.2	91.5	91.7	91.8	91.9	91.9	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 20000	66.6	94.3	94.4	94.5	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 18000	66.7	94.4	94.6	94.7	94.8	94.8	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 16000	66.8	94.6	94.8	94.8	95.0	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 14000	67.0	94.8	95.0	95.1	95.3	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	67.8	95.9	96.1	96.2	96.3	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 10000	68.0	96.3	96.5	96.6	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 9000	68.1	96.6	96.8	96.8	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	68.2	96.7	96.8	96.9	97.1	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	68.4	97.0	97.2	97.3	97.4	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 6000	68.8	97.4	97.6	97.7	97.8	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 5000	69.3	98.5	98.7	98.8	98.9	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	69.3	98.5	98.7	98.8	98.9	98.9	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	69.4	98.7	98.8	98.9	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	69.6	98.9	99.1	99.2	99.3	99.3	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	69.8	99.2	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	69.8	99.2	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	69.8	99.3	99.4	99.5	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	52.9	94.8	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 20000	53.6	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 18000	53.6	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 16000	53.6	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 14000	53.6	97.4	97.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 12000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	54.8	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195	YUMA, ARIZONA	73-77	MAY
STATION	STATION NAME	YEARS	MONTH

05
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	57.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 20000	59.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 18000	59.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 16000	59.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 14000	60.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	60.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	60.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	60.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	61.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

08 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	89.7	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 20000	91.6	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 18000	91.6	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	92.9	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 14000	95.5	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	96.8	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	97.4	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

11 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	89.7	90.3	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 20000	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 18000	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 16000	95.5	96.1	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 14000	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 12000	96.8	97.4	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	97.4	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

14 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	90.3	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 20000	96.8	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 18000	96.8	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 16000	96.8	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 12000	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 10000	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	97.4	97.4	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.1	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

17 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6
≥ 20000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1
≥ 18000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1
≥ 16000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8
≥ 14000	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1
≥ 12000	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 10000	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 9000	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 8000	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 7000	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 6000	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 5000	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 4500	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 4000	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 3500	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 3000	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 2500	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 2000	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1800	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1500	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1200	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1000	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 900	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 800	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 700	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 600	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 500	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 400	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 300	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 200	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 100	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0
0	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

20 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.8	88.4	89.0	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 20000	67.7	93.6	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 18000	67.7	93.6	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 16000	68.4	94.8	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 14000	69.0	95.5	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	70.3	97.4	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	70.3	97.4	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	71.0	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	71.6	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

23 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	51.0	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 20000	51.6	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 18000	51.6	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 16000	51.6	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 14000	52.3	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 12000	53.6	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 10000	53.6	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	54.2	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) MAY (MONTH)

ALL (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.5	91.5	91.9	92.0	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5
≥ 20000	76.5	95.4	95.7	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 18000	76.5	95.4	95.7	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4	96.4
≥ 16000	76.8	96.0	96.3	96.3	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 14000	77.6	96.9	97.2	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9
≥ 12000	78.6	98.0	98.3	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 10000	78.7	98.2	98.5	98.7	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 9000	79.0	98.4	98.7	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	79.3	98.7	99.0	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 7000	79.4	98.8	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 6000	79.4	98.8	99.1	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 5000	79.4	98.9	99.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 4500	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 4000	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 3500	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 3000	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 2500	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 2000	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 1800	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 1500	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 1200	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 1000	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 900	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 800	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 700	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 600	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 500	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	79.5	99.0	99.3	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

02 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 20000	60.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 18000	60.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 16000	60.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	60.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 12000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0	61.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

05 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 20000	73.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 18000	73.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 16000	74.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	74.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 12000	74.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	75.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | JUN MONTH

08 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 20000	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 18000	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 16000	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 12000	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

11 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 20000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 18000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 16000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 12000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

14 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 20000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 18000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 16000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 14000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 12000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

17 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 20000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 18000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 16000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 14000	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 12000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5763 CEILING VERSUS VISIBILITY JAN 7

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUN (MONTH) | 20 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	93.3	95.3	96.0	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 20000	94.7	96.7	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 18000	95.3	97.3	98.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 16000	95.3	97.3	98.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 14000	95.3	97.3	98.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 12000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.0	98.0	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

23 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	59.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 20000	59.3	96.7	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 18000	59.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 16000	59.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	59.3	97.3	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 12000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	60.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUN (MONTH)

ALL (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	83.6	96.4	96.5	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 20000	85.1	97.9	98.0	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 18000	85.3	98.2	98.3	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 16000	85.3	98.3	98.3	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 14000	85.4	98.3	98.4	98.7	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 12000	86.0	99.0	99.1	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 10000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	86.3	99.3	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.3	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 20000	72.9	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 18000	72.9	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	72.9	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 14000	76.8	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 12000	79.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	81.3	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

05 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 20000	76.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 18000	76.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	76.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 14000	80.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	85.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 10000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	85.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH) 08 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 20000	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 16000	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 14000	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 12000	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 10000	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

11 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 20000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 16000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 14000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 12000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

14 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 20000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 18000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 16000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 14000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

17 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 20000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 18000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 16000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 14000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

20 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 20000	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.7	89.7	89.7
≥ 18000	89.0	89.0	89.0	89.0	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	91.0	91.0	91.0
≥ 16000	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.6	91.6	91.6
≥ 14000	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6	94.2	94.2	94.2
≥ 12000	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	98.1	98.1	98.1
≥ 10000	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 9000	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 8000	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 7000	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	99.4	99.4	99.4
≥ 6000	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 5000	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 4500	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 4000	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 3500	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 3000	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 2500	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 2000	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1800	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1500	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1200	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 1000	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 900	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 800	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 700	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 600	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 500	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 400	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 300	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 200	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
≥ 100	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0
0	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

23 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 20000	71.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 18000	71.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 16000	71.6	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 14000	73.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	76.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	77.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	77.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	78.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	78.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	78.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	79.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUL (MONTH)

ALL (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	77.6	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 20000	81.5	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.9	87.9	87.9	87.9	88.0	88.0	88.0
≥ 18000	82.3	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.8	88.8	88.8
≥ 16000	82.7	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.3	89.3	89.3
≥ 14000	86.7	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.5
≥ 12000	90.6	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.6	97.6	97.6
≥ 10000	91.9	98.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	99.0	99.0	99.0
≥ 9000	92.2	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2
≥ 8000	92.5	99.0	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5
≥ 7000	92.7	99.2	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7
≥ 6000	92.7	99.3	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 5000	92.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	92.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4000	92.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	92.8	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3000	92.9	99.4	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9
≥ 2500	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 2000	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 1800	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 1500	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 1200	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 1000	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 900	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 800	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 700	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 600	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 500	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 400	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0
0	93.0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195	YUMA, ARIZONA	73-77	AUG	02
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 20000	74.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 18000	75.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 16000	75.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 14000	77.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	77.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	77.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	77.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	78.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | AUG (MONTH) | 05 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 20000	76.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 18000	76.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 16000	76.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 14000	76.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	76.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	77.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	77.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	78.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	78.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	78.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	78.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	78.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	78.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	78.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195	YUMA, ARIZONA	73-77	AUG	08
STATION	STATION NAME	YEARS	MONTH	HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 20000	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 18000	92.3	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 14000	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

11 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	90.3	90.3	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 20000	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 18000	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 16000	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 14000	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | AUG MONTH | 14 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 20000	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 18000	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 16000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 14000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 12000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | AUG MONTH

17 HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 20000	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 18000	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 16000	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 14000	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 8000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

20 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	87.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 20000	87.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 18000	89.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 16000	89.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 14000	90.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	91.0	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	91.0	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	91.0	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 8000	91.0	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	91.6	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	91.6	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	92.3	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	92.3	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	92.3	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	92.3	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	92.9	98.7	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

23 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 20000	74.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 18000	74.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 16000	74.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 14000	76.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	76.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	77.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9000	78.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	78.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 7

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	84.5	92.7	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 20000	86.2	94.4	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 18000	86.7	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 16000	87.2	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 14000	88.5	96.8	96.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 12000	89.2	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 10000	89.6	98.1	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 9000	89.7	98.2	98.3	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 8000	89.9	98.4	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 7000	90.1	98.7	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 6000	90.2	98.8	99.0	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	90.4	99.0	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 4500	90.5	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000	90.5	99.1	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	90.5	99.1	99.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	90.7	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	90.7	99.3	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	90.7	99.4	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 20000	71.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 18000	72.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 16000	72.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000	72.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 12000	74.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	75.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 9000	75.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 8000	75.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 7000	76.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 6000	76.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	77.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	77.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

05 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 20000	71.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 18000	71.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 16000	71.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 14000	72.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 12000	75.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 10000	76.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	76.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	76.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	76.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	77.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	77.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 — STATION

YUMA, ARIZONA — STATION NAME

7y-77 — YEARS

SEP — MONTH

08 — HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 20000	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 18000	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 16000	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 14000	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 12000	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

8/63 CEILING VERSUS VISIBILITY JAN 7

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

11 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 20000	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 18000	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 16000	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 14000	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 12000	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 10000	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 9000	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 8000	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 6000	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

14 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	86.0	86.0	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 20000	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 18000	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 16000	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 12000	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 9000	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 8000	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 7000	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	98.0	98.0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5/03 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195	YUMA, ARIZONA	73-77	SEP
STATION	STATION NAME	YEARS	MONTH

17
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 20000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 18000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 16000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 12000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 9000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 8000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	98.7	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

20 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.7	84.0	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 20000	69.3	88.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 18000	70.7	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 16000	71.3	90.7	90.7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 14000	72.0	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 12000	73.3	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 10000	74.0	94.7	94.7	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 9000	74.0	94.7	94.7	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 8000	74.0	95.3	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 7000	74.0	95.3	95.3	95.3	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 6000	74.7	96.0	96.7	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	75.3	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	75.3	97.3	98.0	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.0	98.0	98.7	98.7	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

23 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 20000	68.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 18000	70.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 16000	70.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 14000	72.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 12000	74.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 10000	75.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	75.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	75.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	76.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	76.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	77.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	77.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	78.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) SEP (MONTH)

ALL (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	76.9	86.9	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 20000	79.6	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 18000	80.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	80.5	90.5	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 14000	82.5	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 12000	84.3	94.7	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 10000	85.3	96.2	96.4	96.4	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 9000	85.5	96.3	96.6	96.6	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	85.9	96.8	97.1	97.1	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	86.5	97.4	97.7	97.7	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	86.9	97.8	98.2	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 5000	87.7	98.8	99.2	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4500	87.7	98.8	99.2	99.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	88.0	99.2	99.5	99.6	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	74.8	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 20000	75.5	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 18000	75.5	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 16000	75.5	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 14000	76.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 12000	78.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 10000	78.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	78.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8000	78.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

05 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 20000	73.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 18000	73.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 16000	73.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 14000	75.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 12000	76.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 10000	77.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	77.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	78.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 20000	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 18000	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 16000	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 14000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 12000	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 9000	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

11 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	89.7	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 20000	92.3	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 18000	92.3	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	92.3	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 14000	93.6	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 12000	94.2	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 10000	96.1	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 9000	96.1	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 8000	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	87.7	87.7	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 20000	93.6	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 18000	93.6	93.6	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 16000	94.2	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 14000	94.8	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 12000	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 9000	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	95.5	95.5	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 7000	96.1	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	97.4	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) OCT (MONTH)

17 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	87.1	87.1	87.1	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 20000	92.3	92.3	92.3	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 18000	92.3	92.3	92.3	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	92.3	92.3	92.3	92.3	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 14000	92.9	92.9	92.9	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 12000	92.9	92.9	92.9	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	92.9	92.9	92.9	92.9	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 9000	94.8	94.8	94.8	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	96.1	96.1	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 7000	96.1	96.1	96.8	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

20 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.4	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 20000	72.3	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 18000	72.9	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 16000	72.9	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 14000	74.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 12000	76.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 10000	77.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	77.4	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	78.1	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	78.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | OCT (MONTH)

23 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.9	91.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 20000	74.8	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 18000	74.8	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 16000	74.8	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 14000	75.5	94.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 12000	76.1	96.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 10000	76.1	96.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 9000	76.1	96.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 8000	76.1	96.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	76.8	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000	76.8	96.8	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	76.8	97.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | OCT (MONTH) | ALL (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	80.2	90.0	90.7	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 20000	83.1	92.9	93.6	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 18000	83.2	93.0	93.7	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 16000	83.2	93.2	93.9	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 14000	84.4	94.6	95.3	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 12000	85.4	95.7	96.4	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 10000	86.2	96.5	97.2	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 9000	86.5	96.7	97.4	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 8000	86.9	97.2	98.0	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 7000	87.3	97.6	98.4	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 6000	87.8	98.1	98.9	98.9	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	88.2	98.6	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	88.2	98.6	99.4	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4000	88.3	98.6	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	88.3	98.6	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3000	88.3	98.6	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	88.4	98.7	99.5	99.5	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	88.5	98.8	99.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	73.3	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 20000	74.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 18000	74.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 16000	74.7	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 14000	76.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 12000	76.0	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 10000	76.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 9000	76.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 8000	77.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	77.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	78.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	78.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	78.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	78.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	78.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	78.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	78.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

05 HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 20000	75.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 18000	75.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 16000	75.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 14000	76.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 12000	76.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000	76.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	76.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	77.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 7000	77.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 6000	78.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	78.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	78.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	78.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	78.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	78.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	78.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

08 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	84.7	84.7	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0
≥ 20000	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0
≥ 18000	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 16000	93.3	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 14000	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
≥ 12000	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 10000	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

11 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 20000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 18000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 16000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 14000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 12000	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 10000	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 9000	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 8000	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 7000	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195	YUMA, ARIZONA	73-77	NOV
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 20000	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 18000	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 16000	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 12000	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 10000	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 9000	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 8000	94.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 7000	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 6000	96.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH) 17 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 20000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 18000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 16000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 14000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 12000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 10000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 9000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H 2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | NOV (MONTH)

20 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	68.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 20000	74.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 18000	74.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 16000	74.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 14000	75.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 12000	75.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 10000	76.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 9000	76.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	76.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 7000	76.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	77.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	78.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

23 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 20000	74.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 18000	74.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 16000	74.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 14000	76.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 12000	76.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 10000	76.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 9000	76.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 8000	76.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 7000	78.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 6000	78.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	78.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	78.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	78.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	78.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3000	78.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	78.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	78.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	78.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	78.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) NOV (MONTH)

ALL (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	79.8	89.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥ 20000	84.0	93.8	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 18000	84.2	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
≥ 16000	84.3	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 14000	85.7	95.5	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
≥ 12000	85.8	95.7	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 10000	86.2	96.3	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 9000	86.3	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9
≥ 8000	86.8	97.0	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 7000	87.0	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 6000	87.6	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 5000	88.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	88.2	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	88.3	99.0	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 3500	88.4	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	88.5	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	88.5	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	88.5	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	88.5	99.3	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
0	88.5	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1200

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

02 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.7	87.7
≥ 20000	60.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4
≥ 18000	61.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7	89.7
≥ 16000	61.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7	89.7
≥ 14000	63.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6
≥ 12000	66.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2	94.2
≥ 10000	66.5	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 9000	66.5	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 8000	66.5	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 7000	66.5	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 6000	67.1	94.8	94.8	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 5000	67.1	94.8	94.8	94.8	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 4500	67.7	95.5	95.5	95.5	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4	97.4
≥ 4000	67.7	96.1	96.1	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 3500	68.4	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 3000	68.4	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 2500	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 2000	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 1800	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 1500	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 1200	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 1000	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 900	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 800	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 700	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 600	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 500	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 400	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 300	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 200	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
≥ 100	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0
0	69.0	97.4	97.4	97.4	97.4	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

05 (HOURS L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.9	86.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.7	88.4
≥ 20000	62.6	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	89.0
≥ 18000	63.2	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.7
≥ 16000	63.2	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.7
≥ 14000	63.9	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7	90.3
≥ 12000	66.5	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.9
≥ 10000	67.7	92.3	92.3	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6	94.8
≥ 9000	68.4	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.2	95.5
≥ 8000	68.4	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	96.1
≥ 7000	68.4	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	96.1
≥ 6000	68.4	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	96.1
≥ 5000	69.0	94.2	94.2	94.2	94.2	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1	97.4
≥ 4500	69.7	94.8	94.8	94.8	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	98.1
≥ 4000	69.7	94.8	94.8	94.8	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	98.1
≥ 3500	70.3	95.5	95.5	95.5	95.5	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4	98.7
≥ 3000	71.0	96.1	96.1	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	99.4
≥ 2500	71.0	96.1	96.1	96.1	96.1	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	99.4
≥ 2000	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 1800	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 1500	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 1200	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 1000	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 900	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 800	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 700	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 600	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 500	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 400	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 300	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 200	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
≥ 100	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0
0	71.0	96.8	96.8	96.8	96.8	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH) 08 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅜	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	81.9	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.2
≥ 20000	86.5	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4
≥ 18000	86.5	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4
≥ 16000	86.5	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4
≥ 14000	87.7	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.7	89.7
≥ 12000	90.3	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3
≥ 10000	91.0	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 9000	91.0	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	93.6	93.6
≥ 8000	92.9	93.6	93.6	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8	94.8	94.8	94.8	95.5	95.5
≥ 7000	93.6	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	96.1	96.1
≥ 6000	94.2	94.8	94.8	94.8	94.8	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 5000	94.2	94.8	94.8	94.8	94.8	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 4500	94.2	94.8	94.8	94.8	94.8	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 4000	94.2	94.8	94.8	94.8	94.8	94.8	95.5	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 3500	94.8	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4
≥ 3000	94.8	95.5	95.5	95.5	95.5	95.5	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4
≥ 2500	95.5	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	98.1	98.1
≥ 2000	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 1800	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 1500	96.1	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.7	98.7
≥ 1200	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 1000	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 900	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 800	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 700	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 600	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 500	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 400	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 300	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 200	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 100	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	99.4
0	96.1	96.8	96.8	96.8	96.8	97.4	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11 (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	78.1	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 20000	87.7	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 18000	87.7	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 16000	87.7	88.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 14000	89.0	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 12000	90.3	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 10000	91.0	91.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 9000	92.9	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 8000	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 7000	94.2	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 6000	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4500	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	94.8	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	94.8	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	94.8	95.5	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	95.5	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	95.5	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	95.5	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
≥ 100	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4
0	95.5	96.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) DEC (MONTH)

14 (HOURS (L S T.))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 20000	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 18000	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 16000	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 14000	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 12000	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 10000	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 9000	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 8000	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 6000	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4000	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	98.1	98.7	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | DEC (MONTH) | 17 (HOURS (L S.T.))

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 20000	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 16000	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 14000	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 12000	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 10000	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	96.1	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 6000	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	96.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4500	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	97.4	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	98.7	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

2

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

20 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 20000	65.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 18000	65.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 16000	65.8	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 14000	67.7	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 12000	69.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 10000	70.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 9000	71.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000	71.0	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 7000	71.6	97.4	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	72.3	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	72.3	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	72.3	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4000	72.3	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3500	72.3	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	72.3	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	72.3	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 73

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | DEC (MONTH) | 23 (HOURS (L S T))

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	60.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2
≥ 20000	63.9	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	89.0	89.0	89.0	89.0
≥ 18000	65.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3
≥ 16000	65.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3
≥ 14000	67.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.3	92.3	92.3	92.3
≥ 12000	69.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.8	94.8	94.8	94.8
≥ 10000	70.3	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8
≥ 9000	70.3	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 8000	70.3	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 7000	70.3	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4
≥ 6000	71.0	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1
≥ 5000	71.6	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 4500	71.6	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 4000	71.6	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 3500	71.6	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 3000	71.6	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4
≥ 2500	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 2000	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 1800	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 1500	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 1200	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 1000	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 900	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 800	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 700	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 600	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 500	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 400	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 300	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 200	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
≥ 100	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0
0	71.6	98.1	98.1	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (L S T))

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	70.9	83.6	83.9	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.4	84.4
≥ 20000	75.4	88.2	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	89.0	89.0
≥ 18000	75.8	88.6	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.4	89.4
≥ 16000	75.9	88.7	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.4	89.5
≥ 14000	77.7	90.6	90.8	90.8	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1	91.3	91.4
≥ 12000	79.8	92.7	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.5	93.6
≥ 10000	80.5	93.6	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.3	94.3	94.5	94.7
≥ 9000	81.1	94.2	94.4	94.4	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.9	94.9	95.2	95.3
≥ 8000	81.5	94.8	95.1	95.2	95.3	95.3	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	96.0	96.1
≥ 7000	82.0	95.3	95.6	95.7	95.8	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.5	96.6
≥ 6000	82.6	95.9	96.1	96.2	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.8	96.8	97.0	97.2
≥ 5000	82.8	96.2	96.5	96.5	96.7	96.7	97.1	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.5	97.7
≥ 4500	83.1	96.5	96.8	96.9	97.0	97.0	97.4	97.4	97.4	97.5	97.5	97.5	97.6	97.6	97.8	98.0
≥ 4000	83.1	96.6	96.9	96.9	97.1	97.1	97.5	97.5	97.5	97.6	97.6	97.6	97.7	97.7	97.9	98.1
≥ 3500	83.3	96.9	97.1	97.2	97.3	97.3	97.7	97.7	97.7	97.8	97.8	97.8	97.9	97.9	98.2	98.3
≥ 3000	83.6	97.1	97.4	97.5	97.7	97.7	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.5	98.6
≥ 2500	83.8	97.3	97.7	97.8	98.0	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	99.0	99.2
≥ 2000	84.0	97.6	98.0	98.1	98.2	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.3	99.4
≥ 1800	84.0	97.6	98.0	98.1	98.2	98.3	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.3	99.4
≥ 1500	84.0	97.6	98.0	98.1	98.3	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.4	99.5
≥ 1200	84.0	97.6	98.0	98.2	98.4	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.5	99.7
≥ 1000	84.0	97.6	98.0	98.2	98.4	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.5	99.7
≥ 900	84.0	97.6	98.0	98.2	98.4	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.5	99.7
≥ 800	84.0	97.6	98.0	98.2	98.4	98.6	99.1	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.5	99.7
≥ 700	84.0	97.6	98.0	98.2	98.5	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.6	99.8
≥ 600	84.0	97.6	98.0	98.2	98.5	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.6	99.8
≥ 500	84.0	97.6	98.0	98.2	98.5	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.6	99.8
≥ 400	84.0	97.6	98.0	98.2	98.5	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.6	99.8
≥ 300	84.0	97.6	98.0	98.2	98.5	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.6	99.8
≥ 200	84.0	97.6	98.0	98.2	98.5	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.7	99.8
≥ 100	84.0	97.6	98.0	98.2	98.5	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.7	99.8
0	84.0	97.6	98.0	98.2	98.5	98.6	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

H2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	72.1	87.6	87.9	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 20000	75.5	91.4	91.6	91.7	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
≥ 18000	75.9	91.8	92.0	92.1	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5
≥ 16000	76.2	92.1	92.4	92.5	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.9
≥ 14000	77.6	93.7	94.0	94.0	94.2	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 12000	78.9	95.1	95.4	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9
≥ 10000	79.7	96.3	96.5	96.6	96.8	96.8	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 9000	80.0	96.5	96.8	96.9	97.1	97.1	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3
≥ 8000	80.4	97.1	97.4	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 7000	80.7	97.4	97.7	97.8	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥ 6000	81.1	97.8	98.1	98.2	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 5000	81.5	98.4	98.7	98.8	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 4500	81.6	98.4	98.8	98.8	99.0	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	81.7	98.6	98.9	99.0	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 3500	81.8	98.7	99.0	99.1	99.3	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 3000	81.9	98.8	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.8
≥ 2500	81.9	98.9	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	82.0	98.9	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	82.0	98.9	99.3	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 1000	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 900	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 800	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	100.0
≥ 700	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 600	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 500	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 400	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 300	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 200	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
≥ 100	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0
0	82.0	99.0	99.3	99.4	99.6	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 14608

DIRNAVOCEANMET SMOS

5703 CEILING VERSUS VISIBILITY JAN 78

SKY COVER

23195 YUMA, ARIZONA 73-77 JAN
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	02	68.4	3.2	1.9	5.2	1.3	1.3	3.9	1.9	3.2	.6	9.0	1.9	155
	05	63.2	1.3	5.8	5.2	1.9	1.3	3.2	.6	2.6	1.3	13.5	2.3	155
	08	43.2	7.1	5.8	1.9	3.9	1.9	3.2	5.2	4.5	5.2	18.1	3.7	155
	11	42.6	5.8	5.2	4.5	5.8	.6	1.3	5.2	2.6	6.5	20.0	3.8	155
	14	41.3	3.9	9.7	5.8	2.6	1.3	7.1	1.9	3.9	5.2	17.4	3.7	155
	17	34.8	7.1	5.2	6.5	3.2		3.9	5.8	5.8	6.5	21.3	4.3	155
	20	50.3	3.9	3.2	7.1	3.9	1.3	5.8	3.2	6.5	2.6	12.3	3.1	155
	23	63.2	1.9	3.9	4.5	4.5		3.9	5.2	2.6	1.9	8.4	2.2	155
TOTALS		50.9	4.3	5.1	5.1	3.4	1.0	4.0	3.6	4.0	3.7	15.0	3.1	1240

5704 SKY COVER JAN 68

2

SKY COVER

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 PERIOD | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
FEB	02	72.3	1.4	3.5	3.5	.7	2.8	2.1		2.1		11.3	1.8	141
	05	65.2	.7	2.8	5.7	2.1	1.4	3.5	2.8	4.3		11.3	2.3	141
	08	44.0	5.0	7.1	4.3	5.0	2.8	3.5	3.5	5.7	5.0	14.2	3.4	141
	11	42.6	5.0	6.4	5.7	2.8	3.5	2.1	7.8	5.0	5.7	13.5	3.6	141
	14	45.4	5.7	4.3	5.7	1.4	2.1	2.8	5.0	6.4	2.1	19.1	3.6	141
	17	39.7	5.0	4.3	6.4	2.8	1.4	7.1	8.5	2.1	5.0	17.7	3.9	141
	20	50.4	3.5	6.4	6.4	2.1	2.8	2.8	5.7	4.3	1.4	14.2	3.0	141
	23	63.1	1.4	5.7	5.7	2.8	1.4	2.8	.7	4.3	2.1	9.9	2.2	141
TOTALS		52.8	3.5	5.1	5.4	2.5	2.3	3.3	4.3	4.3	2.7	13.9	3.0	1128

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5704 SKY COVER JAN 68

SKY COVER

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAR	02	71.6	1.3	3.2	4.5	1.9	.6	1.9	4.5	1.3	.6	8.4	1.8	155
	05	63.9	.6	5.8	4.5	2.6	.6	2.6	3.9	2.6	1.9	11.0	2.3	155
	08	51.6	5.8	1.9	4.5	.6	.6	1.3	2.6	5.8	5.2	20.0	3.5	155
	11	46.5	5.2	6.5	3.2	3.9	2.6	5.2	1.9	2.6	3.9	18.7	3.4	155
	14	44.5	5.8	3.9	6.5	6.5	1.3	2.6	3.9	7.1	5.8	12.3	3.4	155
	17	44.5	4.5	6.5	4.5	4.5	2.6	1.9	3.9	9.0	7.1	11.0	3.5	155
	20	55.5	5.2	5.2	5.8	2.6	1.9	2.6	3.2	4.5	1.9	11.6	2.6	155
	23	67.7	2.6	4.5	1.9	1.3	2.6	3.9	4.5	1.9		9.0	2.0	155
TOTALS		55.7	3.9	4.7	4.4	3.0	1.6	2.8	3.6	4.4	3.3	12.8	2.8	1240

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5704 SKY COVER JAN 68

SKY COVER

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
APR	02	84.7	.7	1.3	1.3	2.0	.7	.7	1.3	2.0		5.3	1.0	150
	05	82.7		2.0	3.3	2.7	1.3	.7	1.3	.7	1.3	4.0	1.0	150
	08	68.7	4.0	6.0	4.0	3.3	1.3	2.7	1.3	2.0	.7	6.0	1.6	150
	11	64.0	6.0	7.3	4.0		.7	2.7	3.3	3.3	2.0	6.7	1.9	150
	14	58.7	8.0	1.3	5.3	3.3	1.3	2.0	6.0	4.7	2.0	7.3	2.3	150
	17	59.3	3.3	4.7	6.0	4.0	2.0	3.3	1.3	6.0	4.0	6.0	2.3	150
	20	67.3	5.3	2.7	2.0	2.0	1.3	2.7	7.3	4.0	2.0	3.3	1.8	150
	23	81.3	.7	2.7	1.3	4.0		1.3	.7	4.0		4.0	1.1	150
TOTALS		70.8	3.5	3.5	3.4	2.7	1.1	2.0	2.8	3.3	1.5	5.3	1.6	1200

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5704 SKY COVER JAN 68

2

SKY COVER

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 PERIOD | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
MAY	02	84.5	1.3	1.9	3.9	1.9	.6	1.3	1.9	.6		1.9	.7	155
	05	79.4	1.3	4.5	1.3		.6	.6	2.6	3.9	.6	5.2	1.3	155
	08	68.4	3.9	6.5	4.5	2.6	.6		.6	3.2	3.9	5.8	1.7	155
	11	68.4	5.2	5.8	1.9	1.9	1.9	1.9	2.6	1.3	3.9	5.2	1.7	155
	14	70.3	2.6	5.2	2.6	1.3	1.3	2.6	3.2	5.8	3.9	1.3	1.6	155
	17	65.8	7.1	3.2	2.6	1.9	1.9	2.6	1.9	6.5	2.6	3.9	1.8	155
	20	70.3	1.9	5.2	3.2	1.9		3.2	2.6	4.5	2.6	4.5	1.7	155
	23	78.7	1.9	5.2	3.2	3.2	.6	.6	3.2	1.9		1.3	.9	155
TOTALS		73.2	3.2	4.7	2.9	1.8	.9	1.6	2.3	3.5	2.2	3.6	1.4	1240

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5704 SKY COVER JAN 68

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SKY COVER

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 PERIOD | JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUN	02	90.0		2.7	2.0	.7		.7	2.7			1.3	.5	150
	05	75.3	4.7	6.0	2.0	.7	2.0	4.0	2.0	1.3	1.3	.7	1.0	150
	08	72.0	4.0	4.7	4.0	1.3	2.0	1.3	5.3	2.0	1.3	2.0	1.3	150
	11	74.7	2.7	4.0	4.0	1.3	2.7	1.3	1.3	2.7		5.3	1.3	150
	14	66.0	8.0	6.0	4.7	1.3	1.3	3.3	4.7	1.3	1.3	2.0	1.4	150
	17	70.7	5.3	1.3	6.0	3.3	1.3	1.3	5.3	1.3	2.7	1.3	1.4	150
	20	68.7	7.3	5.3	3.3	2.7		3.3	2.7	2.7	1.3	2.7	1.4	150
	23	81.3	6.0	.7	2.7	2.7	1.3	2.0		1.3	.7	1.3	.7	150
TOTALS		74.8	4.8	3.8	3.6	1.8	1.3	2.2	3.0	1.6	1.1	2.1	1.1	1200

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5704 SKY COVER JAN 68

SKY COVER

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	02	69.7	2.6	3.2	2.6	2.6	2.6	3.2	3.9	5.8	.6	3.2	1.7	155
	05	54.8	2.6	7.7	7.1	3.2	1.9	3.9	6.5	2.6	3.2	6.5	2.4	155
	08	43.2	3.9	5.8	5.8	5.2	1.9	2.6	5.8	10.3	8.4	7.1	3.5	155
	11	48.4	5.8	5.8	5.8	4.5	2.6	2.6	9.7	3.9	3.9	7.1	2.9	155
	14	45.2	9.0	9.0	6.5	3.9	3.2	6.5	3.2	4.5	3.9	5.2	2.6	155
	17	47.7	9.7	7.1	9.7	5.8	2.6	5.2	5.8	2.6	3.2	.6	2.2	155
	20	46.5	12.3	5.8	5.8	6.5	1.3	4.5	4.5	6.5	2.6	3.9	2.5	155
	23	66.5	1.3	6.5	7.7	1.9	.6	1.3	3.9	4.5		5.8	1.8	155
TOTALS		52.8	5.9	6.4	6.4	4.2	2.1	3.7	5.4	5.1	3.2	4.9	2.5	1240

5704 SKY COVER JAN 68

SKY COVER

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) AUG (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
AUG	02	84.5	.6	2.6	.6	1.3	.6	.6	1.3	2.6	1.9	3.2	1.0	155
	05	80.6	2.6	4.5	1.3	1.3	.6	1.3	1.3	.6	.6	5.2	1.0	155
	08	61.3	5.2	3.9	7.7	4.5	1.9	1.9	3.9	4.5	.6	4.5	1.9	155
	11	71.0	4.5	1.3	5.2	1.9	.6	1.9	2.6	3.2	5.2	2.6	1.6	155
	14	74.2	1.3	5.2	6.5	1.9	2.6	.6	2.6	.6	1.9	2.6	1.2	155
	17	71.0	4.5	7.1	5.2		1.3	2.6	3.9	1.3	.6	2.6	1.3	155
	20	69.0	3.2	3.9	5.8	1.9	2.6	1.9	1.3	4.5	1.3	4.5	1.6	155
	23	80.6	1.9	3.2	2.6	2.6	1.9	1.3	.6	1.9	.6	2.6	1.0	155
TOTALS		74.0	3.0	4.0	4.4	1.9	1.5	1.5	2.2	2.4	1.6	3.5	1.3	1240

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5704 SKY COVER JAN 68

SKY COVER

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
SEP	02	80.7	1.3	2.7	2.0	1.3	1.3	1.3	2.0	.7	2.0	4.7	1.2	150
	05	78.0	3.3	2.7	3.3	2.0	1.3	1.3	2.0	.7	1.3	4.0	1.1	150
	08	64.0	7.3	2.7	1.3	4.0	2.7	3.3	3.3	4.0	3.3	4.0	1.9	150
	11	58.0	7.3	6.7	4.7	2.7	2.7	4.7	4.0	2.0	1.3	6.0	2.0	150
	14	60.0	6.0	4.7	8.0	2.0	2.7	1.3	3.3	2.7	4.7	4.7	2.0	150
	17	60.0	8.0	4.0	5.3	2.7	2.0	2.0	2.7	3.3	4.0	6.0	2.1	150
	20	66.0	6.0	3.3	4.0	3.3	.7	2.7	2.0	3.3	1.3	7.3	1.8	150
	23	72.0	3.3	4.7	4.7	1.3		.7	3.3	2.7	.7	6.7	1.5	150
TOTALS		67.3	5.3	3.9	4.2	2.4	1.7	2.2	2.8	2.4	2.3	5.4	1.7	1200

NAVWEASERVCOM

5704 SKY COVER JAN 68

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SKY COVER

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23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 PERIOD | OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
OCT	02	86.5	1.3	1.3	1.3	1.3	1.9	.6	3.2	1.3		1.3	.7	155
	05	82.6	1.9	1.9	1.9	1.9	.6	3.9	1.3	1.3	.6	1.9	.9	155
	08	65.8	3.2	5.2	5.8	3.2	1.3	1.9	3.9	4.5	1.9	3.2	1.7	155
	11	69.0	5.8	3.2	3.9	2.6		2.6	1.9	3.2	2.6	5.2	1.6	155
	14	65.8	5.8	3.2	3.9	1.9	.6	3.2	2.6	7.7	1.3	3.9	1.8	155
	17	63.2	5.8	5.2	2.6	1.9	1.9	3.2	3.9	5.8	1.9	4.5	2.0	155
	20	69.7	4.5	5.2	2.6	1.3	.6	2.6	4.5	1.9	2.6	4.5	1.6	155
	23	81.9	1.9	1.9	1.3	3.9		1.9	2.6	.6		3.9	1.0	155
TOTALS		73.1	3.8	3.4	2.9	2.3	.9	2.5	3.0	3.3	1.4	3.6	1.4	1240

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5704 SKY COVER JAN 68

SKY COVER

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
NOV	02	78.7	1.3	2.0	4.0	4.0	.7	2.0	1.3	2.0	.7	3.3	1.1	150
	05	76.7	2.0	5.3	2.7	2.0		1.3	.7	2.0		7.3	1.3	150
	08	55.3	4.0	7.3	4.0	5.3	2.7	5.3	1.3	2.7	2.0	10.0	2.5	150
	11	58.7	8.0	4.7	2.0	1.3	.7	2.0	4.0	5.3	2.7	10.7	2.5	150
	14	54.7	6.0	3.3	4.0	2.7	1.3	4.0	8.7	7.3	1.3	6.7	2.6	150
	17	53.3	7.3	4.7	3.3	3.3	2.7	2.7	4.0	3.3	5.3	10.0	2.7	150
	20	63.3	4.0	5.3	4.0	2.7		5.3	2.7	3.3	.7	8.7	2.1	150
	23	76.7	1.3	1.3	6.0	2.7	1.3	.7	2.0	1.3	.7	6.0	1.3	150
TOTALS		64.7	4.2	4.2	3.8	3.0	1.2	2.9	3.1	3.4	1.7	7.8	2.0	1200

5704 SKY COVER JAN 68

AD-A062 047 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) YUMA, AZ--ETC(U)
JUL 78

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4 OF 4
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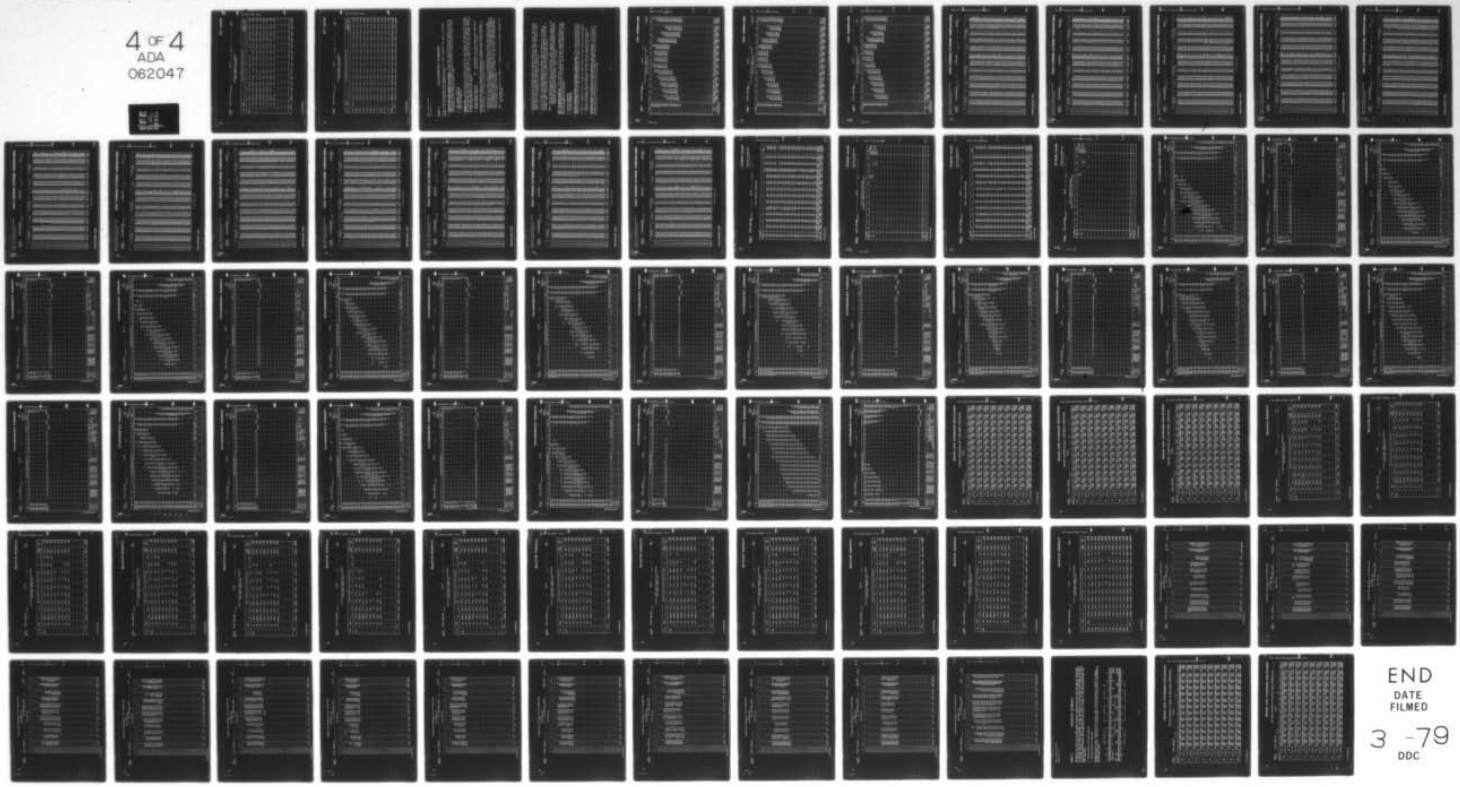

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SKY COVER

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 PERIOD | DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
DEC	02	69.7	2.6	2.6	3.9	3.2	2.6	2.6		1.3	.6	11.0	1.9	155
	05	67.7	1.3	3.9	5.8	.6	4.5	1.3	1.9	3.2	2.6	7.1	1.9	155
	08	49.0	3.2	2.6	7.7	1.9	1.9	1.3	2.6	5.8	4.5	19.4	3.6	155
	11	47.7	4.5	7.1	3.9	2.6	.6	1.3	4.5	4.5	3.9	19.4	3.5	155
	14	47.1	3.2	5.2	5.2	2.6	1.9	1.9	5.2	3.9	4.5	19.4	3.6	155
	17	45.8	3.2	4.5	5.8	2.6	1.9	1.9	7.1	6.5	3.2	17.4	3.7	155
	20	58.7	2.6	4.5	5.8	3.9	1.9	2.6	2.6	1.9	2.6	12.9	2.6	155
	23	68.4		3.9	5.2	3.9	1.3	1.3	1.9	2.6	.6	11.0	2.0	155
TOTALS		56.8	2.6	4.3	5.4	2.7	2.1	1.8	3.2	3.7	2.8	14.7	2.9	1240

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5704 SKY COVER JAN 68

SKY COVER

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) ALL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	50.9	4.3	5.1	5.1	3.4	1.0	4.0	3.6	4.0	3.7	15.0	3.1	1240
FEB		52.8	3.5	5.1	5.4	2.5	2.3	3.3	4.3	4.3	2.7	13.9	3.0	1128
MAR		55.7	3.9	4.7	4.4	3.0	1.6	2.8	3.6	4.4	3.3	12.8	2.8	1240
APR		70.8	3.5	3.5	3.4	2.7	1.1	2.0	2.8	3.3	1.5	5.3	1.6	1200
MAY		73.2	3.2	4.7	2.9	1.8	.9	1.6	2.3	3.5	2.2	3.6	1.4	1240
JUN		74.8	4.8	3.8	3.6	1.8	1.3	2.2	3.0	1.6	1.1	2.1	1.1	1200
JUL		52.8	5.9	6.4	6.4	4.2	2.1	3.7	5.4	5.1	3.2	4.9	2.5	1240
AUG		74.0	3.0	4.0	4.4	1.9	1.5	1.5	2.2	2.4	1.6	3.5	1.3	1240
SEP		67.3	5.3	3.9	4.2	2.4	1.7	2.2	2.8	2.4	2.3	5.4	1.7	1200
OCT		73.1	3.8	3.4	2.9	2.3	.9	2.5	3.0	3.3	1.4	3.6	1.4	1240
NOV		64.7	4.2	4.2	3.8	3.0	1.2	2.9	3.1	3.4	1.7	7.8	2.0	1200
DEC		56.8	2.6	4.3	5.4	2.7	2.1	1.8	3.2	3.7	2.8	14.7	2.9	1240
TOTALS		63.9	4.0	4.4	4.3	2.6	1.5	2.5	3.3	3.5	2.3	7.7	2.1	14608

5704 SKY COVER JAN 68

NWSD, Federal Building

Asheville, N. C.

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:

   a. Daily maximum temperature
   b. Daily minimum temperature
   c. Daily mean temperature

2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:

   a. Extreme maximum temperature
   b. Extreme minimum temperature

   NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

   a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

   NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

a. Dry-bulb temperature
b. Wet-bulb temperature
c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

23195 STATION — YUMA, ARIZONA STATION NAME — 48-77 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
120						.1			.1				.0
115					.1	3.2	2.7	1.6	.4				.7
110					.8	18.0	25.5	18.5	10.8				6.1
105				.7	6.9	42.1	72.4	62.2	32.5	2.9			18.3
100				4.9	24.7	68.5	94.5	91.0	63.7	15.8			30.3
95			1.3	16.4	51.9	87.1	98.3	97.9	85.3	36.8	.3		39.7
90		1.7	9.3	38.3	72.5	95.2	99.7	99.6	95.8	61.9	5.9		48.4
85	.6	8.5	28.6	60.5	85.0	99.1	99.9	99.9	99.0	78.4	21.2	.6	56.9
80	5.1	24.1	47.7	76.1	94.3	100.0	100.0	100.0	99.9	88.2	45.3	6.8	65.7
75	21.1	46.6	68.0	87.9	98.6				100.0	95.5	66.3	22.3	75.4
70	47.1	72.3	85.2	97.4	99.7					98.4	84.2	50.2	86.2
65	68.3	89.6	96.3	99.2	100.0					99.7	96.1	74.1	93.6
60	87.3	97.9	99.3	99.9						99.9	99.0	89.2	97.7
55	96.1	99.9	99.9	100.0						100.0	99.8	97.5	99.4
50	99.0	100.0	100.0								99.9	99.5	99.9
45	100.0										100.0	99.9	100.0
40												100.0	100.0
MEAN	68.3	73.9	78.7	86.1	93.7	102.6	106.7	105.5	101.4	90.8	77.9	69.0	87.9
S. D.	7.439	7.416	8.173	8.730	8.178	7.126	4.509	4.672	6.511	8.569	7.723	7.190	15.471
TOTAL OBS.	899	819	899	870	899	870	899	899	869	930	899	930	10702

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5721 Daily Temperatures Jan 1948

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DAILY TEMPERATURES

23195 STATION — YUMA, ARIZONA STATION NAME — 48-77 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≤ 85						1.0	13.8	12.1	1.7				2.4
≤ 80						10.7	65.6	58.5	18.0				12.8
≤ 75					2.9	30.6	89.4	84.8	43.8	1.4			21.1
≤ 70				.2	13.0	60.3	98.3	96.4	69.0	12.4			29.2
≤ 65				5.5	40.2	88.0	99.9	99.8	90.0	33.1	.4		38.1
≤ 60	.1	1.1	2.6	27.3	70.7	97.7	100.0	100.0	98.4	63.8	5.0	.2	47.4
≤ 55	2.6	7.0	18.7	59.2	91.9	99.9			99.9	87.0	26.3	2.5	58.1
≤ 50	13.7	27.0	51.9	84.9	99.1	100.0			100.0	96.2	57.6	14.5	70.5
≤ 45	37.4	60.2	82.5	97.9	100.0					99.5	84.1	43.9	83.8
≤ 40	67.2	85.8	96.2	100.0						99.7	96.3	77.2	93.5
≤ 35	90.3	96.5	99.4							100.0	99.6	95.3	98.4
≤ 30	99.2	99.9	100.0								100.0	99.6	99.9
≤ 25	99.9	100.0										100.0	100.0
≤ 20	100.0												100.0
MEAN	42.5	45.8	49.6	55.8	63.0	71.4	80.3	79.5	73.0	61.6	50.4	43.6	59.7
S. D.	6.146	5.958	5.468	5.659	5.972	6.088	4.203	4.724	6.356	6.466	5.822	5.534	14.416
TOTAL OBS.	899	819	899	870	899	870	899	899	889	930	899	930	10702

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

107471

2

DAILY TEMPERATURES

23195 STATION — YUMA, ARIZONA STATION NAME — 48-77 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ 100						.9	3.0	1.9	.2				.5
≥ 95					.3	11.7	43.7	36.8	10.7				8.6
≥ 90					4.1	37.6	89.8	81.2	39.8	1.2			21.2
≥ 85				1.3	18.4	68.7	98.7	96.9	68.5	11.9			30.4
≥ 80			.1	10.0	50.3	88.9	99.9	99.8	91.8	34.4	.1		39.7
≥ 75		.5	3.6	32.8	73.2	96.9	100.0	100.0	98.5	66.0	2.9		48.0
≥ 70	.3	5.5	22.8	62.0	89.3	100.0			99.9	83.7	20.7	.8	57.2
≥ 65	6.0	22.0	51.3	81.3	98.1				100.0	95.1	52.2	7.3	67.9
≥ 60	29.0	58.4	77.4	95.6	99.9					98.8	77.8	31.0	80.2
≥ 55	57.4	82.5	95.3	99.8	100.0					99.7	94.3	66.3	91.2
≥ 50	83.3	96.1	99.7	100.0						99.9	98.9	89.1	97.2
≥ 45	96.7	100.0	100.0							100.0	100.0	98.2	99.6
≥ 40	99.3											100.0	99.9
≥ 35	100.0												100.0
MEAN	55.6	60.1	64.4	71.2	78.6	87.2	93.7	92.8	87.5	76.4	64.4	56.6	74.0
S.D.	6.042	5.902	6.053	6.621	6.668	6.149	3.418	3.844	5.665	6.860	6.083	5.562	14.608
TOTAL OBS.	899	819	899	870	899	870	899	899	889	930	899	930	10702

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

2

23195	YUMA, ARIZONA	1949-1977	JANUARY
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	52.7	11.5	65.8	18.8	79	26.1	1964	39.5	4.2	27	-2.8	1976
2	51.9	11.1	64.3	17.9	78	25.6	1964	39.6	4.2	30	-1.1	1960
3	51.4	10.8	62.9	17.2	77	25.0	1962	39.8	4.3	30	-1.1	1960*
4	51.1	10.6	63.5	17.5	78	25.6	1956	38.7	3.7	29	-1.7	1949
5	51.6	10.9	64.0	17.8	78	25.6	1969	39.1	3.9	30	-1.1	1971*
6	52.6	11.4	64.6	18.1	78	25.6	1969*	40.6	4.8	30	-1.1	1950
7	54.4	12.4	66.8	19.3	83	28.3	1962	42.0	5.6	27	-2.8	1971
8	53.7	12.1	66.6	19.2	84	28.9	1962	40.9	4.9	24	-4.4	1971
9	54.0	12.2	66.6	19.2	80	26.7	1962	41.4	5.2	33	0.6	1971*
10	54.5	12.5	67.2	19.6	81	27.2	1953	41.7	5.4	30	-1.1	1964
11	54.8	12.7	67.7	19.8	83	28.3	1953	42.0	5.6	31	-0.6	1950
12	54.4	12.4	66.7	19.3	83	28.3	1953	42.1	5.6	28	-2.2	1962
13	54.7	12.6	67.1	19.5	81	27.2	1959	42.3	5.7	28	-2.2	1963
14	54.9	12.7	67.7	19.8	78	25.6	1959	42.2	5.7	28	-2.2	1963
15	56.2	13.4	69.4	20.8	79	26.1	1959*	43.0	6.1	31	-0.6	1963
16	57.0	13.9	70.0	21.1	83	28.3	1961	44.1	6.7	31	-0.6	1964
17	57.8	14.3	70.8	21.6	83	28.3	1976*	44.8	7.1	32	0.0	1960
18	57.5	14.2	71.0	21.7	86	30.0	1959	43.9	6.6	32	0.0	1960
19	58.0	14.4	71.3	21.8	88	31.1	1971	44.7	7.1	34	1.1	1949
20	57.2	14.0	70.0	21.1	85	29.4	1971	44.3	6.8	30	-1.1	1963
21	57.0	13.9	69.5	20.8	81	27.2	1950	44.5	6.9	32	0.0	1973
22	56.4	13.6	69.1	20.6	80	26.7	1950	43.6	6.4	33	0.6	1963
23	57.2	14.0	70.4	21.3	83	28.3	1950	43.9	6.6	32	0.0	1966
24	57.0	13.9	70.3	21.3	84	28.9	1953	43.7	6.5	32	0.0	1966
25	56.7	13.7	69.9	21.1	86	30.0	1951	43.5	6.4	34	1.1	1964
26	56.8	13.8	69.9	21.1	83	28.3	1951	43.7	6.5	33	0.6	1949
27	57.5	14.2	70.2	21.2	80	26.7	1971	44.7	7.1	34	1.1	1972*
28	56.8	13.8	70.4	21.3	82	27.8	1971	43.3	6.3	31	-0.6	1950
29	57.1	13.9	70.4	21.3	82	27.8	1953	43.8	6.6	36	2.2	1966
30	57.0	13.9	70.8	21.6	84	28.9	1953	43.2	6.2	33	0.6	1969*
31	57.2	14.0	71.1	21.7	85	29.4	1954	43.3	6.3	32	0.0	1949
Monthly	55.4	13.0	68.3	20.2	88	31.1	1971	42.5	5.8	24	-4.4	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

23195 — STATION
YUMA, ARIZONA — STATION NAME
1949-1977 — YEARS
FEBRUARY — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	57.4	14.1	72.3	22.4	84	28.9	1963*	42.4	5.8	33	0.6	1949
2	57.7	14.3	71.2	21.8	86	30.0	1954	44.2	6.8	34	1.1	1956
3	57.9	14.4	71.6	22.0	91	32.8	1963	44.2	6.8	31	-0.6	1956
4	59.0	15.0	73.4	23.0	92	33.3	1963	44.7	7.1	30	-1.1	1956
5	59.5	15.3	74.3	23.5	90	32.2	1963	44.7	7.1	33	0.6	1956
6	60.2	15.7	74.0	23.3	91	32.8	1963	46.3	7.9	33	0.6	1955
7	60.4	15.8	74.5	23.6	91	32.8	1963	46.3	7.9	35	1.7	1964
8	59.7	15.4	73.1	22.8	87	30.6	1963*	46.3	7.9	39	3.9	1974
9	60.7	15.9	73.6	23.1	88	31.1	1951	47.8	8.8	36	2.2	1966
10	60.3	15.7	73.5	23.1	93	33.9	1951	47.2	8.4	38	3.3	1956
11	60.2	15.7	73.7	23.2	86	30.0	1971*	46.7	8.2	35	1.7	1956
12	60.2	15.7	73.0	22.8	87	30.6	1957	47.3	8.5	31	-0.6	1965
13	59.2	15.1	73.2	22.9	93	33.9	1957	45.2	7.3	34	1.1	1965*
14	59.2	15.1	73.2	22.9	94	34.4	1957	45.1	7.3	33	0.6	1966
15	59.5	15.3	74.1	23.4	86	30.0	1977*	45.0	7.2	32	0.0	1964
16	59.6	15.3	73.9	23.3	87	30.6	1977	45.3	7.4	34	1.1	1956
17	59.8	15.4	74.0	23.3	87	30.6	1977	45.5	7.5	28	-2.2	1956
18	59.7	15.4	74.3	23.5	88	31.1	1977	45.1	7.3	34	1.1	1956
19	59.7	15.4	73.8	23.2	88	31.1	1977	45.7	7.6	32	0.0	1955
20	59.1	15.1	72.9	22.7	88	31.1	1977	45.2	7.3	31	-0.6	1955
21	59.5	15.3	73.4	23.0	88	31.1	1977	45.6	7.6	32	0.0	1953
22	60.1	15.6	74.3	23.5	87	30.6	1954	46.0	7.8	32	0.0	1955
23	60.2	15.7	74.0	23.3	89	31.7	1954	46.3	7.9	31	-0.6	1953
24	60.1	15.6	74.7	23.7	91	32.8	1954	45.4	7.4	36	2.2	1964
25	61.3	16.3	76.3	24.6	92	33.3	1954	46.3	7.9	32	0.0	1960
26	61.9	16.6	76.0	24.4	92	33.3	1963	47.8	8.8	37	2.8	1977
27	61.3	16.3	75.9	24.4	89	31.7	1957	46.7	8.2	33	0.6	1964
28	61.9	16.6	76.7	24.8	89	31.7	1972	47.0	8.3	31	-0.6	1962
29	63.1	17.3	78.0	25.6	86	30.0	1972	48.1	8.9	40	4.4	1956
30												
31												
Monthly	59.9	15.5	73.9	23.3	94	34.4	1957	45.8	7.7	28	-2.2	1956

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

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23195	YUMA, ARIZONA	1949-1977	MARCH
STATION	STATION NAME	YEARS	MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	61.6	16.4	75.2	24.0	87	30.6	1967*	48.0	8.9	33	0.6	1962
2	60.3	15.7	73.8	23.2	87	30.6	1967*	46.9	8.3	34	1.1	1971
3	59.8	15.4	73.8	23.2	90	32.2	1959	45.8	7.7	34	1.1	1971
4	60.3	15.7	75.0	23.9	92	33.3	1972	45.5	7.5	32	0.0	1951
5	61.6	16.4	76.4	24.7	93	33.9	1972	46.8	8.2	38	3.3	1965
6	62.1	16.7	77.0	25.0	94	34.4	1972	47.1	8.4	39	3.9	1967
7	62.6	17.0	76.7	24.8	93	33.9	1957	48.5	9.2	40	4.4	1967
8	63.5	17.5	78.0	25.6	93	33.9	1957	49.0	9.4	39	3.9	1969*
9	63.3	17.4	77.9	25.5	94	34.4	1972	48.6	9.2	35	1.7	1964
10	62.4	16.9	75.7	24.3	95	35.0	1972	49.1	9.5	39	3.9	1962
11	62.3	16.8	75.7	24.3	90	32.2	1972	48.9	9.4	40	4.4	1969
12	61.5	16.4	75.6	24.2	91	32.8	1972	47.5	8.6	38	3.3	1969
13	62.4	16.9	76.3	24.6	90	32.2	1972	48.5	9.2	33	0.6	1956
14	62.9	17.2	77.9	25.5	91	32.8	1951	48.0	8.9	39	3.9	1971
15	63.6	17.6	79.1	26.2	91	32.8	1972	48.0	8.9	36	2.2	1962
16	64.9	18.3	79.7	26.5	92	33.3	1974*	50.1	10.1	39	3.9	1969*
17	64.4	18.0	78.9	26.1	95	35.0	1972	50.0	10.0	40	4.4	1957
18	64.5	18.1	79.7	26.5	92	33.3	1972*	49.4	9.7	40	4.4	1955
19	65.2	18.4	80.3	26.8	93	33.9	1960	50.2	10.1	41	5.0	1955
20	65.9	18.8	80.3	26.8	96	35.6	1960	51.6	10.9	42	5.6	1970
21	66.2	19.0	81.4	27.4	96	35.6	1960	50.9	10.5	38	3.3	1955
22	66.3	19.1	80.7	27.1	93	33.9	1961	51.9	11.1	37	2.8	1955
23	66.1	18.9	80.9	27.2	95	35.0	1956	51.2	10.7	44	6.7	1955
24	65.8	18.8	80.3	26.8	93	33.9	1956*	51.2	10.7	42	5.6	1949
25	66.0	18.9	80.8	27.1	93	33.9	1956*	51.2	10.7	41	5.0	1964
26	66.5	19.2	81.2	27.3	95	35.0	1962	51.7	10.9	40	4.4	1977
27	67.8	19.9	82.5	28.1	93	33.9	1953	53.1	11.7	43	6.1	1964
28	67.2	19.6	81.6	27.6	93	33.9	1969	52.9	11.6	42	5.6	1972
29	67.1	19.5	81.9	27.7	96	35.6	1971	52.2	11.2	45	7.2	1973*
30	67.7	19.8	83.1	28.4	96	35.6	1971*	52.4	11.3	44	6.7	1977*
31	68.1	20.1	83.1	28.4	98	36.7	1966	53.1	11.7	46	7.8	1972*
Monthly	64.2	17.9	78.7	25.9	98	36.7	1966	49.6	9.8	32	0.0	1951

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5125 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

23195	YUMA, ARIZONA	1949-1977	APRIL
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	67.7	19.8	82.5	28.1	97	36.1	1966*	53.0	11.7	44	6.7	1951
2	67.4	19.7	81.7	27.6	101	38.3	1959	53.0	11.7	42	5.6	1956
3	68.2	20.1	83.1	28.4	103	39.4	1961	53.2	11.8	41	5.0	1977
4	68.9	20.5	84.2	29.0	104	40.0	1961	53.5	11.9	42	5.6	1955
5	70.5	21.4	86.2	30.1	100	37.8	1960	54.8	12.7	42	5.6	1958
6	70.4	21.3	85.6	29.8	98	36.7	1960	55.3	12.9	43	6.1	1955
7	69.8	21.0	84.8	29.3	98	36.7	1962*	54.8	12.7	44	6.7	1964
8	70.1	21.2	85.7	29.8	97	36.1	1962	54.6	12.6	44	6.7	1975
9	70.2	21.2	85.5	29.7	101	38.3	1960	54.9	12.7	43	6.1	1953
10	70.6	21.4	85.6	29.8	100	37.8	1960	55.6	13.1	43	6.1	1975
11	70.7	21.5	84.8	29.3	96	35.6	1962*	56.5	13.6	45	7.2	1953
12	70.4	21.3	86.2	30.1	102	38.9	1962	54.6	12.6	42	5.6	1967
13	71.8	22.1	87.7	30.9	106	41.1	1962	55.8	13.2	46	7.8	1967
14	71.4	21.9	86.0	30.0	104	40.0	1962	56.8	13.8	47	8.3	1956
15	71.7	22.1	87.0	30.6	103	39.4	1962	56.4	13.6	45	7.2	1970
16	71.6	22.0	87.3	30.7	104	40.0	1954	55.9	13.3	45	7.2	1976
17	72.6	22.6	87.8	31.0	105	40.6	1954	57.4	14.1	45	7.2	1976
18	71.0	21.7	86.1	30.1	107	41.7	1954	56.0	13.3	46	7.8	1968
19	70.1	21.2	84.7	29.3	104	40.0	1954	55.6	13.1	44	6.7	1955
20	70.2	21.2	85.7	29.8	104	40.0	1958	54.8	12.7	45	7.2	1972
21	71.0	21.7	86.8	30.4	107	41.7	1958	55.3	12.9	45	7.2	1973
22	72.1	22.3	87.5	30.8	103	39.4	1958*	56.6	13.7	43	6.1	1957
23	72.6	22.6	88.0	31.1	105	40.6	1949	57.1	13.9	45	7.2	1970
24	72.6	22.6	87.6	30.9	103	39.4	1949	57.6	14.2	47	8.3	1964*
25	72.2	22.3	86.9	30.5	97	36.1	1977*	57.5	14.2	46	7.8	1960
26	71.6	22.0	86.3	30.2	100	37.8	1953	56.9	13.8	47	8.3	1971
27	72.0	22.2	87.0	30.6	99	37.2	1973	56.9	13.8	46	7.8	1955
28	72.3	22.4	87.0	30.6	99	37.2	1959	57.6	14.2	46	7.8	1970
29	72.4	22.4	87.9	31.1	106	41.1	1959	56.9	13.8	44	6.7	1970
30	73.6	23.1	89.3	31.8	101	38.3	1965	57.9	14.4	46	7.8	1951
31												
Monthly	70.9	21.6	86.1	30.1	107	41.7	1958*	55.8	13.2	41	5.0	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

23195 — STATION
YUMA, ARIZONA — STATION NAME
1949-1977 — YEARS
MAY — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	74.5	23.6	90.7	32.6	101	38.3	1961	58.3	14.6	46	7.8	1967
2	75.5	24.2	91.2	32.9	105	40.6	1952	59.8	15.4	49	9.4	1954
3	75.1	23.9	89.9	32.2	103	39.4	1962	60.4	15.8	49	9.4	1955
4	73.9	23.3	88.5	31.4	103	39.4	1958	59.3	15.2	50	10.0	1950
5	73.9	23.3	89.1	31.7	105	40.6	1958	58.8	14.9	47	8.3	1964
6	74.9	23.8	90.1	32.3	107	41.7	1963	59.8	15.4	49	9.4	1975
7	74.4	23.6	88.8	31.6	105	40.6	1963	60.0	15.6	48	8.9	1964
8	75.2	24.0	90.2	32.3	102	38.9	1962	60.1	15.6	48	8.9	1964
9	76.3	24.6	91.4	33.0	103	39.4	1961	61.2	16.2	54	12.2	1965*
10	77.3	25.2	92.8	33.8	108	42.2	1960	61.9	16.6	53	11.7	1977
11	77.8	25.4	94.0	34.4	113	45.0	1960	61.6	16.4	55	12.8	1977
12	76.9	24.9	92.0	33.3	108	42.2	1960	61.9	16.6	52	11.1	1953
13	77.8	25.4	93.8	34.3	106	41.1	1960	61.9	16.6	52	11.1	1962
14	77.4	25.2	92.5	33.6	106	41.1	1976	62.2	16.8	53	11.7	1951
15	77.4	25.2	92.8	33.8	103	39.4	1970	62.0	16.7	51	10.6	1951
16	78.4	25.8	94.6	34.8	109	42.8	1956	62.2	16.8	52	11.1	1962*
17	79.3	26.3	94.7	34.8	109	42.8	1970	64.0	17.8	52	11.1	1962
18	80.5	26.9	96.3	35.7	109	42.8	1958	64.7	18.2	56	13.3	1977*
19	80.6	27.0	96.2	35.7	107	41.7	1958	64.9	18.3	53	11.7	1974
20	80.3	26.8	95.9	35.5	107	41.7	1958	64.8	18.2	53	11.7	1974
21	80.0	26.7	95.2	35.1	107	41.7	1958	64.8	18.2	50	10.0	1975
22	79.6	26.4	95.2	35.1	106	41.1	1958	64.1	17.8	52	11.1	1971
23	79.7	26.5	94.9	34.9	107	41.7	1958	64.5	18.1	55	12.8	1965
24	79.8	26.6	95.6	35.3	108	42.2	1949	64.1	17.8	55	12.8	1957
25	80.6	27.0	96.0	35.6	112	44.4	1951	65.2	18.4	56	13.3	1960
26	81.7	27.6	97.5	36.4	115	46.1	1951	65.9	18.8	58	14.4	1962
27	82.5	28.1	97.6	36.4	114	45.6	1951	67.3	19.6	53	11.7	1962
28	81.8	27.7	97.3	36.3	113	45.0	1958	66.3	19.1	54	12.2	1971
29	81.8	27.7	97.0	36.1	112	44.4	1958	66.7	19.3	51	10.6	1971
30	82.1	27.8	97.2	36.2	107	41.7	1969	67.0	19.4	58	14.4	1953
31	81.4	27.4	96.8	36.0	105	40.6	1977	66.0	18.9	58	14.4	1955
Monthly	78.3	25.7	93.7	34.3	115	46.1	1951	63.0	17.2	46	7.8	1967

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MEAN 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

23195 STATION | YUMA, ARIZONA STATION NAME | 1949-1977 YEARS | JUNE MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	82.1	27.8	97.9	36.6	112	44.4	1957	66.3	19.1	54	12.2	1955
2	83.4	28.6	99.2	37.3	115	46.1	1957	67.6	19.8	55	12.8	1955*
3	83.8	28.8	98.7	37.1	113	45.0	1957	68.8	20.4	56	13.3	1971
4	84.0	28.9	99.3	37.4	113	45.0	1957	68.7	20.4	58	14.4	1971
5	84.4	29.1	99.9	37.7	115	46.1	1957	68.8	20.4	57	13.9	1971
6	83.9	28.8	99.2	37.3	111	43.9	1973	68.7	20.4	60	15.6	1968*
7	83.2	28.4	98.2	36.8	113	45.0	1973	68.1	20.1	58	14.4	1963
8	83.0	28.3	98.2	36.8	115	46.1	1955	67.8	19.9	59	15.0	1968
9	83.0	28.3	98.1	36.7	116	46.7	1955	67.8	19.9	60	15.6	1964
10	82.4	28.0	97.3	36.3	111	43.9	1956	67.6	19.8	57	13.9	1954
11	83.8	28.8	99.6	37.6	115	46.1	1956	68.1	20.1	57	13.9	1976
12	85.6	29.8	100.7	38.2	117	47.2	1956	70.4	21.3	62	16.7	1976
13	85.7	29.8	101.3	38.5	114	45.6	1956	70.0	21.1	61	16.1	1970
14	86.4	30.2	102.4	39.1	119	48.3	1961	70.4	21.3	60	15.6	1967*
15	86.5	30.3	102.4	39.1	116	46.7	1961	70.6	21.4	57	13.9	1962
16	87.7	30.9	103.3	39.6	113	45.0	1974	72.0	22.2	59	15.0	1962
17	87.7	30.9	103.4	39.7	112	44.4	1959	72.0	22.2	60	15.6	1965
18	88.1	31.2	104.2	40.1	113	45.0	1960*	71.9	22.2	63	17.2	1965*
19	89.0	31.7	105.1	40.6	115	46.1	1960	72.9	22.7	62	16.7	1975*
20	89.2	31.8	105.6	40.9	115	46.1	1960*	72.8	22.7	62	16.7	1975
21	90.4	32.4	106.8	41.6	116	46.7	1968	73.9	23.3	67	19.4	1975*
22	90.6	32.6	106.7	41.5	115	46.1	1960*	74.6	23.7	65	18.3	1965
23	90.8	32.7	106.6	41.4	116	46.7	1959	75.0	23.9	66	18.9	1975
24	90.8	32.7	106.5	41.4	120	48.9	1957	75.2	24.0	65	18.3	1965*
25	90.4	32.4	105.9	41.1	115	46.1	1970*	74.8	23.8	64	17.8	1963
26	89.4	31.9	105.2	40.7	114	45.6	1957	73.6	23.1	58	14.4	1965
27	90.2	32.3	106.5	41.4	116	46.7	1974	73.9	23.3	63	17.2	1963
28	91.3	32.9	106.2	41.2	115	46.1	1974	76.3	24.6	66	18.9	1965
29	91.3	32.9	106.9	41.6	115	46.1	1950	75.8	24.3	69	20.6	1955*
30	91.9	33.3	107.4	41.9	117	47.2	1950	76.5	24.7	66	18.9	1955
31												
Monthly	87.0	30.6	102.6	39.2	120	48.9	1957	71.4	21.9	54	12.2	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

23195 — STATION | YUMA, ARIZONA — STATION NAME | 1949-1977 — YEARS | JULY — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	91.9	33.3	107.7	42.1	115	46.1	1960	76.1	24.5	70	21.1	1971*
2	92.2	33.4	107.1	41.7	113	45.0	1957*	77.3	25.2	68	20.0	1956*
3	92.8	33.8	107.0	41.7	116	46.7	1957	78.7	25.9	63	17.2	1956
4	92.7	33.7	107.8	42.1	117	47.2	1957	77.6	25.3	65	18.3	1956
5	91.9	33.3	106.4	41.3	111	43.9	1970*	77.4	25.2	66	18.9	1961*
6	92.1	33.4	106.7	41.5	115	46.1	1951	77.6	25.3	69	20.6	1961
7	92.6	33.7	106.5	41.4	116	46.7	1958	78.6	25.9	69	20.6	1963
8	93.0	33.9	106.9	41.6	118	47.8	1958	79.1	26.2	69	20.6	1955
9	93.7	34.3	107.7	42.1	119	48.3	1958	79.6	26.4	71	21.7	1955
10	94.7	34.8	108.5	42.5	118	47.8	1959	81.0	27.2	73	22.8	1971*
11	94.2	34.6	108.0	42.2	118	47.8	1958	80.4	26.9	72	22.2	1974
12	94.0	34.4	107.8	42.1	114	45.6	1964*	80.2	26.8	71	21.7	1955
13	93.9	34.4	107.3	41.9	115	46.1	1958	80.4	26.9	68	20.0	1962
14	94.4	34.7	108.0	42.2	115	46.1	1949	80.8	27.1	72	22.2	1952
15	94.3	34.6	107.5	41.9	114	45.6	1957*	81.2	27.3	71	21.7	1962
16	93.6	34.2	105.9	41.1	116	46.7	1960	81.3	27.4	70	21.1	1962
17	93.5	34.2	105.2	40.7	113	45.0	1960	81.8	27.7	69	20.6	1962
18	93.6	34.2	105.8	41.0	117	47.2	1960	81.4	27.4	75	23.9	1967
19	94.1	34.5	106.9	41.6	115	46.1	1961	81.3	27.4	76	24.4	1958
20	94.2	34.6	106.8	41.6	117	47.2	1960	81.5	27.5	73	22.8	1958
21	93.7	34.3	106.3	41.3	115	46.1	1951	81.0	27.2	70	21.1	1973
22	93.6	34.2	106.0	41.1	113	45.0	1963	81.1	27.3	71	21.7	1973
23	93.8	34.3	105.9	41.1	115	46.1	1959	81.6	27.6	72	22.2	1973
24	93.1	33.9	105.2	40.7	114	45.6	1963*	81.0	27.2	71	21.7	1973
25	94.2	34.6	106.8	41.6	114	45.6	1963	81.6	27.6	74	23.3	1973
26	94.0	34.4	106.1	41.2	113	45.0	1959	81.9	27.7	75	23.9	1949
27	93.7	34.3	106.5	41.4	112	44.4	1958*	80.9	27.2	74	23.3	1949
28	94.1	34.5	106.3	41.3	116	46.7	1954	81.9	27.7	74	23.3	1949
29	93.3	34.1	104.5	40.3	112	44.4	1972*	82.1	27.8	74	23.3	1966
30	93.2	34.0	104.9	40.5	117	47.2	1957	81.5	27.5	72	22.2	1958
31	94.3	34.6	106.6	41.4	119	48.3	1957	82.0	27.8	76	24.4	1958
Monthly	93.5	34.2	106.7	41.5	119	48.3	1958*	80.3	26.8	63	17.2	1956

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

23195	YUMA, ARIZONA	1949-1977	AUGUST
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	94.2	34.6	107.2	41.8	116	46.7	1972	81.3	27.4	74	23.3	1976
2	94.6	34.8	107.0	41.7	115	46.1	1949	82.1	27.8	74	23.3	1950
3	93.7	34.3	106.3	41.3	113	45.0	1969*	81.2	27.3	70	21.1	1956
4	93.2	34.0	106.0	41.1	115	46.1	1969	80.4	26.9	67	19.4	1956
5	92.7	33.7	105.0	40.6	112	44.4	1969	80.4	26.9	65	18.3	1956
6	92.8	33.8	106.5	41.4	114	45.6	1951	79.1	26.2	68	20.0	1956
7	93.7	34.3	107.0	41.7	114	45.6	1962	80.3	26.8	70	21.1	1957*
8	93.3	34.1	106.6	41.4	112	44.4	1961	80.1	26.7	70	21.1	1957*
9	93.6	34.2	106.1	41.2	113	45.0	1950	81.1	27.3	73	22.8	1949
10	93.7	34.3	106.4	41.3	113	45.0	1962	81.1	27.3	70	21.1	1949
11	93.0	33.9	106.0	41.1	117	47.2	1962	79.9	26.6	69	20.6	1951
12	93.8	34.3	106.8	41.6	114	45.6	1962	80.8	27.1	69	20.6	1949
13	93.6	34.2	106.3	41.3	114	45.6	1962*	80.9	27.2	69	20.6	1950*
14	92.6	33.7	104.8	40.4	114	45.6	1962	80.4	26.9	69	20.6	1968
15	91.9	33.3	104.6	40.3	113	45.0	1962	79.2	26.2	69	20.6	1968
16	91.6	33.1	104.4	40.2	115	46.1	1950	78.7	25.9	68	20.0	1968
17	91.6	33.1	105.0	40.6	114	45.6	1953	78.3	25.7	68	20.0	1975
18	92.0	33.3	105.1	40.6	116	46.7	1960	78.9	26.1	70	21.1	1975*
19	92.0	33.3	104.8	40.4	115	46.1	1950	79.3	26.3	69	20.6	1976*
20	91.8	33.2	104.5	40.3	113	45.0	1969	79.0	26.1	69	20.6	1976*
21	92.4	33.6	104.9	40.5	115	46.1	1969*	79.9	26.6	73	22.8	1956
22	91.9	33.3	104.7	40.4	115	46.1	1969	79.2	26.2	70	21.1	1954
23	91.7	33.2	105.0	40.6	114	45.6	1969	78.4	25.8	63	17.2	1968
24	91.7	33.2	104.5	40.3	111	43.9	1956	79.0	26.1	67	19.4	1968
25	92.4	33.6	106.0	41.1	116	46.7	1962	78.9	26.1	70	21.1	1965
26	92.0	33.3	105.3	40.7	112	44.4	1958	78.6	25.9	66	18.9	1954
27	91.0	32.8	104.1	40.1	112	44.4	1967	77.9	25.5	64	17.8	1956
28	91.6	33.1	105.2	40.7	112	44.4	1962*	77.9	25.5	68	20.0	1973
29	91.5	33.1	105.2	40.7	117	47.2	1954	77.8	25.4	69	20.6	1956
30	91.4	33.0	105.2	40.7	114	45.6	1950	77.7	25.4	67	19.4	1953
31	90.8	32.7	104.7	40.4	118	47.8	1950	77.0	25.0	66	18.9	1957
Monthly	92.5	33.6	105.5	40.8	118	47.8	1950	79.5	26.4	63	17.2	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET–SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

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DAILY AVERAGE/EXTREME TEMPERATURES

5125 DAILY AVERAGE/EXTREME TEMP MAR 1978

23195	YUMA, ARIZONA	1948-1977	SEPTEMBER
STATION	STATION NAME	YEARS	MONTH

	MEAN TEMP		MAXIMUM TEMP					MINIMUM TEMP				
	AVERAGE		AVERAGE		EXTREME			AVERAGE		EXTREME		
DAY	°F	°C	°F	°C	°F	°C	DATE	°F	°C	°F	°C	DATE
1	90.2	32.3	103.9	39.9	123	50.6	1950	76.4	24.7	66	18.9	1966
2	90.6	32.6	104.1	40.1	114	45.6	1962*	77.2	25.1	65	18.3	1973
3	91.1	32.8	104.3	40.2	115	46.1	1955*	77.8	25.4	67	19.4	1964
4	90.8	32.7	104.2	40.1	115	46.1	1955	77.3	25.2	66	18.9	1961
5	90.7	32.6	104.5	40.3	113	45.0	1955*	76.9	24.9	64	17.8	1961
6	90.4	32.4	104.5	40.3	112	44.4	1958*	76.4	24.7	66	18.9	1961
7	90.6	32.6	104.2	40.1	113	45.0	1955	77.0	25.0	68	20.0	1973
8	91.0	32.8	104.7	40.4	114	45.6	1963	77.4	25.2	64	17.8	1965
9	91.6	33.1	105.4	40.8	113	45.0	1963	77.7	25.4	64	17.8	1965
10	90.8	32.7	104.4	40.2	114	45.6	1956	77.2	25.1	68	20.0	1972
11	89.9	32.2	103.4	39.7	113	45.0	1971*	76.4	24.7	60	15.6	1952
12	89.6	32.0	103.0	39.4	114	45.6	1971*	76.2	24.6	61	16.1	1952
13	89.2	31.8	102.9	39.4	112	44.4	1953*	75.5	24.2	63	17.2	1952
14	87.8	31.0	102.1	38.9	109	42.8	1971*	73.5	23.1	61	16.1	1970
15	87.3	30.7	101.6	38.7	110	43.3	1952*	73.1	22.8	60	15.6	1970
16	87.1	30.6	101.1	38.4	110	43.3	1962	73.1	22.8	62	16.7	1970
17	86.2	30.1	100.4	38.0	114	45.6	1956	72.0	22.2	63	17.2	1968*
18	85.5	29.7	99.2	37.3	113	45.0	1956	71.8	22.1	62	16.7	1968
19	84.8	29.3	98.5	36.9	112	44.4	1962	71.1	21.7	63	17.2	1973*
20	83.9	28.8	98.5	36.9	108	42.2	1958*	69.4	20.8	53	11.7	1965
21	84.3	29.1	99.4	37.4	110	43.3	1954*	69.3	20.7	56	13.3	1955
22	83.8	28.8	98.1	36.7	112	44.4	1949	69.5	20.8	57	13.9	1968
23	83.6	28.7	98.7	37.1	110	43.3	1966	68.5	20.3	56	13.3	1968
24	84.0	28.9	99.1	37.3	110	43.3	1956	68.9	20.5	59	15.0	1968
25	83.8	28.8	98.6	37.0	112	44.4	1963	68.9	20.5	59	15.0	1968
26	84.2	29.0	99.6	37.6	110	43.3	1963*	68.9	20.5	58	14.4	1971
27	83.9	28.8	98.6	37.0	111	43.9	1963	69.1	20.6	58	14.4	1971
28	83.8	28.8	98.9	37.2	108	42.2	1963	68.7	20.4	57	13.9	1971
29	83.8	28.8	98.1	36.7	107	41.7	1969*	69.5	20.8	60	15.6	1965
30	83.3	28.5	98.5	36.9	106	41.1	1969*	68.2	20.1	58	14.4	1959
31												
Monthly	87.2	30.7	101.4	38.6	123	50.6	1950	73.0	22.8	53	11.7	1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

23195	YUMA, ARIZONA	1948-1977	OCTOBER
STATION	STATION NAME	YEARS	MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	83.0	28.3	97.8	36.6	107	41.7	1955*	68.1	20.1	56	13.3	1971
2	82.5	28.1	96.8	36.0	106	41.1	1962	68.2	20.1	55	12.8	1959
3	81.7	27.6	95.6	35.3	108	42.2	1952	67.8	19.9	55	12.8	1959
4	80.6	27.0	95.1	35.1	109	42.8	1952	66.2	19.0	55	12.8	1959
5	80.5	26.9	94.8	34.9	106	41.1	1952	66.3	19.1	55	12.8	1962
6	80.3	26.8	94.5	34.7	105	40.6	1960*	66.0	18.9	53	11.7	1969
7	80.1	26.7	94.5	34.7	106	41.1	1952	65.7	18.7	57	13.9	1969
8	78.9	26.1	93.7	34.3	106	41.1	1963	64.2	17.9	55	12.8	1970*
9	78.9	26.1	94.1	34.5	105	40.6	1951	63.7	17.6	49	9.4	1961*
10	78.7	25.9	93.8	34.3	107	41.7	1951	63.7	17.6	49	9.4	1961*
11	78.0	25.6	93.2	34.0	107	41.7	1950	62.9	17.2	49	9.4	1973
12	78.0	25.6	93.6	34.2	109	42.8	1950	62.4	16.9	52	11.1	1973
13	78.1	25.6	93.7	34.3	105	40.6	1958	62.5	16.9	50	10.0	1969
14	78.3	25.7	93.4	34.1	105	40.6	1961	63.3	17.4	55	12.8	1956
15	77.2	25.1	91.8	33.2	105	40.6	1958*	62.7	17.1	52	11.1	1966
16	76.4	24.7	91.5	33.1	106	41.1	1958	61.3	16.3	48	8.9	1966
17	76.1	24.5	90.7	32.6	104	40.0	1959*	61.5	16.4	53	11.7	1971*
18	74.8	23.8	89.6	32.0	103	39.4	1959	60.1	15.6	48	8.9	1971
19	74.4	23.6	89.2	31.8	102	38.9	1950	59.7	15.4	48	8.9	1971
20	74.2	23.4	88.8	31.6	101	38.3	1950	59.6	15.3	44	6.7	1949
21	73.7	23.2	88.1	31.2	102	38.9	1952	59.3	15.2	49	9.4	1949
22	73.8	23.2	88.2	31.2	98	36.7	1959*	59.4	15.2	51	10.6	1971
23	73.6	23.1	87.8	31.0	102	38.9	1959	59.3	15.2	51	10.6	1957*
24	72.8	22.7	87.1	30.6	105	40.6	1959	58.5	14.7	49	9.4	1961
25	72.3	22.4	87.3	30.7	100	37.8	1959	57.3	14.1	48	8.9	1971*
26	71.7	22.1	87.1	30.6	96	35.6	1968*	56.3	13.5	46	7.8	1971
27	72.7	22.6	87.0	30.6	96	35.6	1962	58.5	14.7	50	10.0	1956*
28	72.0	22.2	86.3	30.2	97	36.1	1965*	57.8	14.3	51	10.6	1971
29	70.9	21.6	84.9	29.4	98	36.7	1952	57.0	13.9	39	3.9	1971
30	68.8	20.4	82.3	27.9	98	36.7	1962	55.4	13.0	35	1.7	1971
31	68.2	20.1	82.9	28.3	95	35.0	1962	53.5	11.9	36	2.2	1971
Monthly	76.2	24.6	90.8	32.7	109	42.8	1952*	61.6	16.4	35	1.7	1971

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

2

23195 — STATION
YUMA, ARIZONA — STATION NAME
1948-1977 — YEARS
NOVEMBER — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	68.4	20.2	83.1	28.4	96	35.6	1962	53.6	12.0	42	5.6	1972
2	68.3	20.2	82.6	28.1	94	34.4	1953*	54.1	12.3	42	5.6	1956
3	69.3	20.7	83.9	28.8	98	36.7	1962	54.6	12.6	46	7.8	1956
4	68.8	20.4	83.6	28.7	95	35.0	1962	53.9	12.2	40	4.4	1956
5	68.7	20.4	83.1	28.4	93	33.9	1950	54.2	12.3	41	5.0	1956
6	68.2	20.1	82.7	28.2	92	33.3	1950	53.8	12.1	45	7.2	1968
7	67.3	19.6	82.2	27.9	94	34.4	1950	52.5	11.4	47	8.3	1959*
8	66.9	19.4	81.5	27.5	94	34.4	1950	52.4	11.3	47	8.3	1971*
9	66.7	19.3	81.5	27.5	91	32.8	1962*	52.0	11.1	45	7.2	1959*
10	66.8	19.3	81.5	27.5	91	32.8	1956	52.1	11.2	41	5.0	1966
11	66.7	19.3	81.2	27.3	92	33.3	1973	52.2	11.2	41	5.0	1966
12	66.1	18.9	80.0	26.7	92	33.3	1963	52.1	11.2	38	3.3	1950
13	65.3	18.5	78.2	25.7	89	31.7	1967	52.4	11.3	46	6.7	1972*
14	64.2	17.9	77.3	25.2	89	31.7	1967	51.2	10.7	40	4.4	1964
15	63.0	17.2	75.8	24.3	89	31.7	1967	50.3	10.2	40	4.4	1964
16	62.6	17.0	75.4	24.1	87	30.6	1949	49.8	9.9	33	0.6	1964
17	61.9	16.6	75.1	23.9	88	31.1	1949	48.7	9.3	30	-1.1	1958
18	60.9	16.1	73.9	23.3	88	31.1	1949	47.9	8.8	36	2.2	1958
19	61.0	16.1	74.3	23.5	85	29.4	1949	47.7	8.7	34	1.1	1964
20	60.8	16.0	74.5	23.6	87	30.6	1950	47.2	8.4	36	2.2	1953
21	61.4	16.3	74.4	23.6	90	32.2	1950	48.4	9.1	37	2.8	1953
22	61.1	16.2	74.0	23.3	91	32.8	1950	48.2	9.0	36	2.2	1953
23	61.3	16.3	74.5	23.6	87	30.6	1950	48.2	9.0	39	3.9	1961
24	61.8	16.6	76.6	24.8	89	31.7	1950	47.0	8.3	36	2.2	1952
25	62.4	16.9	76.6	24.8	90	32.2	1950	48.2	9.0	34	1.1	1952
26	62.7	17.1	75.8	24.3	87	30.6	1950*	49.7	9.8	37	2.8	1966
27	60.9	16.1	74.2	23.4	88	31.1	1950	47.7	8.7	38	3.3	1973
28	60.1	15.6	73.9	23.3	87	30.6	1954	46.3	7.9	37	2.8	1968*
29	60.4	15.8	73.1	22.8	87	30.6	1950	47.6	8.7	38	3.3	1976
30	59.5	15.3	72.5	22.5	83	28.3	1950	46.5	8.1	36	2.2	1975
31												
Monthly	64.1	17.8	77.9	25.5	98	36.7	1962	50.4	10.2	30	-1.1	1958

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

23195 — STATION
YUMA, ARIZONA — STATION NAME
1948-1977 — YEARS
DECEMBER — MONTH

DAY	MEAN TEMP AVERAGE °F	MEAN TEMP AVERAGE °C	MAXIMUM TEMP AVERAGE °F	MAXIMUM TEMP AVERAGE °C	MAXIMUM TEMP EXTREME °F	MAXIMUM TEMP EXTREME °C	MAXIMUM TEMP EXTREME DATE	MINIMUM TEMP AVERAGE °F	MINIMUM TEMP AVERAGE °C	MINIMUM TEMP EXTREME °F	MINIMUM TEMP EXTREME °C	MINIMUM TEMP EXTREME DATE
1	60.1	15.6	73.3	22.9	84	28.9	1949	46.9	8.3	40	4.4	1952*
2	59.9	15.5	72.6	22.6	85	29.4	1959	47.3	8.5	40	4.4	1971
3	59.2	15.1	72.7	22.6	86	30.0	1958	45.7	7.6	38	3.3	1952*
4	58.8	14.9	71.8	22.1	83	28.3	1958	45.8	7.7	39	3.9	1952
5	58.4	14.7	71.2	21.8	84	28.9	1958	45.7	7.6	36	2.2	1948
6	57.7	14.3	71.2	21.8	83	28.3	1966	44.3	6.8	35	1.7	1953
7	57.8	14.3	70.8	21.6	83	28.3	1958	44.9	7.2	34	1.1	1953
8	56.9	13.8	69.2	20.7	84	28.9	1962	44.6	7.0	33	0.6	1960
9	56.7	13.7	68.9	20.5	84	28.9	1962	44.6	7.0	32	0.0	1971
10	57.0	13.9	69.7	20.9	85	29.4	1950	44.3	6.8	33	0.6	1960
11	56.7	13.7	70.0	21.1	85	29.4	1950	43.5	6.4	34	1.1	1972*
12	56.3	13.5	69.6	20.9	85	29.4	1958*	43.0	6.1	30	-1.1	1972*
13	56.1	13.4	69.2	20.7	81	27.2	1958*	43.0	6.1	35	1.7	1972*
14	56.0	13.3	68.2	20.1	82	27.8	1952	43.8	6.6	34	1.1	1972
15	55.9	13.3	68.9	20.5	82	27.8	1950	43.0	6.1	30	-1.1	1964
16	55.9	13.3	69.1	20.6	81	27.2	1950	42.6	5.9	31	-0.6	1964
17	55.8	13.2	68.1	20.1	80	26.7	1950	43.5	6.4	36	2.2	1964
18	56.4	13.6	68.6	20.3	81	27.2	1950	44.1	6.7	33	0.6	1968
19	56.5	13.6	69.6	20.9	83	28.3	1950	43.5	6.4	30	-1.1	1968
20	55.9	13.3	68.9	20.5	82	27.8	1953	43.0	6.1	35	1.7	1968
21	55.4	13.0	68.1	20.1	80	26.7	1955*	42.7	5.9	28	-2.2	1968
22	55.8	13.2	67.6	19.8	81	27.2	1955*	44.1	6.7	27	-2.8	1968
23	55.5	13.1	67.6	19.8	82	27.8	1955	43.3	6.3	33	0.6	1968
24	55.2	12.9	68.1	20.1	80	26.7	1960*	42.2	5.7	31	-0.6	1953
25	55.3	12.9	68.0	20.0	80	26.7	1950	42.7	5.9	31	-0.6	1953
26	54.8	12.7	67.2	19.6	79	26.1	1960*	42.4	5.8	35	1.7	1974*
27	54.4	12.4	67.0	19.4	77	25.0	1951	41.9	5.5	33	0.6	1968
28	54.4	12.4	66.6	19.2	81	27.2	1963	42.2	5.7	31	-0.6	1974
29	54.2	12.3	66.7	19.3	79	26.1	1963	41.7	5.4	28	-2.2	1954
30	53.7	12.1	66.5	19.2	77	25.0	1950	40.9	4.9	32	0.0	1954
31	52.6	11.4	64.8	18.2	76	24.4	1949	40.5	4.7	30	-1.1	1972
Monthly	56.3	13.5	69.0	20.6	86	30.0	1958	43.6	6.4	27	-2.8	1968

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET—SMOS

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

23195 STATION — YUMA, ARIZONA STATION NAME — 48-77 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48										106	86	74	
49	67	84	87	105	108	112	115	115	112	102	92	84	115
50	83	87	95	103	105	117	113	118	123	109	94	85	123
51	86	93	91	100	115	111	113	114	112	107	89	79	115
52	79	84	89	99	108	111	114	114	113	109	91	82	114
53	84	88	93	100	100	113	113	114	113	104	94	82	114
54	85	92	91	107	104	115	116	117	110	102	88	79	117
55	75	85	93	95	105	116	112	111	115	107		82	
56	79	80	95	98	109	117	114	113	114	102	91	80	117
57	74	94	93	97	103	120	119	110	112	103	84	80	120
58	78	86	85	107	113	113	119	112	112	106	92	86	119
59	86	84	90	106	100	116	118	112	112	105	88	85	118
60	78	80	96	101	113	115	117	116	114	105	93	80	117
61	83	85	93	104	103	119	116	115	106	105	85	80	119
62	84	87	95	106	104	115	113	117	114	106	98	84	117
63	76	92	91	98	107	111	114	112	114	106	92	81	114
64	79	82	89	100	101	112	114	110	106	104	85	79	114
65	80	86	84	102	103	107	113	111	107	104	90	79	113
66	73	78	98	97	104	112	113	111	110	97	94	83	113
67	79	85	91	87	105	110	111	112	102	96	89	74	112
68	77	89	92	97	108	116	112	108	112	96	87	75	116
69	80	76	96	94	107	110	113	115	112	100	86	78	115
70	77	85	89	94	109	115	114	112	109	101	85	76	115
71	88	86	96	95	98	112	113	108	114	98	84	75	114
72	74	89	95	97	102	113	115	116	105	104	81	76	116
73	76	79	78	99	108	113	113	111	109	100	92	78	113
74	77	81	92	95	109	116	111	111	110	102	84	73	116
75	82	86	87	89	104	108	113	114	107	103	91	82	114
76	83	84	90	98	106	114	114	110	106	97	91	76	114
77	76	88	86	98	105	113	111	111	109	99	87	80	113
MEAN	79.2	85.3	91.0	98.9	105.7	113.5	114.1	112.8	110.8	102.8	89.1	79.6	115.6
S. D.	4.665	4.418	4.355	4.931	3.990	3.031	2.154	2.641	4.045	3.677	3.963	3.569	2.514
TOTAL OBS.	899	819	899	870	899	870	899	899	870	930	870	930	10654

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

23195 YUMA, ARIZONA 48-77
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48									109 19				MAX TEMP DAYS
55											91 29		MAX TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

197375

5223 Extreme Values Jan 1969

2

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

23195 STATION — YUMA, ARIZONA STATION NAME — 48-77 YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48										48	42	35	
49	29	33	42	47	55	64	74	69	73	44	47	29	29
50	30	35	43	49	50	60	73	69	62	57	38	38	30
51	31	35	32	44	49	60	72	69	70	48	39	34	31
52	30	38	39	52	58	62	72	78	60	60	34	36	30
53	36	31	36	43	51	55	76	67	59	50	36	31	31
54	32	40	39	48	49	57	76	66	63	48	42	28	28
55	34	31	37	42	49	54	68	74	61	56		35	
56	38	28	33	42	54	65	63	64	59	44	38	38	28
57	35	37	40	43	54	67	75	66	63	51	39	41	35
58	37	44	41	42	59	65	71	78	63	52	30	39	30
59	37	37	43	51	51	66	77	69	58	48	40	39	37
60	30	32	44	46	54	70	74	72	61	54	41	33	30
61	37	40	45	50	55	59	66	74	59	46	38	36	36
62	28	31	33	50	52	57	68	68	62	55	42	35	28
63	28	43	40	44	54	58	69	74	67	58	42	35	28
64	30	32	35	44	47	60	73	69	64	54	33	30	30
65	34	31	37	46	50	58	73	70	53	52	41	35	31
66	32	33	35	48	56	62	72	72	66	48	37	31	31
67	32	35	39	42	46	57	75	76	65	51	43	34	32
68	34	41	43	46	54	59	70	69	56	53	37	27	27
69	33	34	38	46	51	61	72	75	66	50	42	33	33
70	32	38	41	44	51	61	75	73	60	46	42	35	32
71	24	37	34	46	51	56	70	75	57	35	39	31	24
72	32	36	42	45	57	67	74	70	61	47	40	30	30
73	30	40	44	45	51	60	70	68	61	49	38	36	30
74	31	38	41	49	53	63	72	71	69	48	42	31	31
75	31	35	42	43	49	62	74	68	66	47	36	35	31
76	27	43	39	45	55	57	69	69	67	50	38	36	27
77	35	37	38	41	53	66	76	74	63	52	45	43	35
MEAN	32.0	36.0	39.1	45.6	52.3	61.0	72.0	70.7	62.9	50.0	39.3	34.3	30.5
S. D.	3.333	4.110	3.642	2.993	3.177	4.031	3.268	3.901	4.483	4.916	3.578	3.771	2.861
TOTAL OBS.	899	819	899	870	899	870	899	899	870	930	870	930	10654

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

23195 YUMA, ARIZONA 48-77
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
48									01 19				MIN TEMP DAYS
55											37 29		MIN TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

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197379
5723 Extreme Values Jan 1969

2

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | JAN MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
82/ 81														.2				2	2		
80/ 79													.2	.2				5	5		
78/ 77												.4	.4					10	10		
76/ 75								.2		.2	.2	.5	.2					16	16		
74/ 73								.1	.1	.2	.3	.7	.2	.1				20	20		
72/ 71								.2	.6	.2	.6	.6	.2					29	29		
70/ 69								.2	.5	.6	.6	.2						25	25		
68/ 67					.1		.2	.5	.9	1.2	1.2							52	52		
66/ 65					.1		.6	.8	.6	1.0	.8	.1						51	51		
64/ 63						.6	.6	1.4	1.3	1.6	.6							76	76		
62/ 61				.2	.4	.7	.7	1.0	1.2	1.1								68	68	3	
60/ 59			.1	.2	.8	1.0	1.1	1.3	1.3	.6								80	80	1	
58/ 57		.1	.2	.5	.7	1.5	1.2	1.6	1.5	.2								93	93	13	
56/ 55		.1	.2	1.2	.6	1.1	1.7	1.8	1.1	.1								97	97	35	1
54/ 53		.6	1.0	1.1	1.0	1.7	1.7	1.5	.2									109	109	69	5
52/ 51	.2	.3	1.1	.8	1.1	1.5	1.2	.9	.1									90	90	105	14
50/ 49		.3	1.4	1.0	1.0	1.6	1.8	.2										91	91	124	10
48/ 47		.6	.7	.7	1.0	1.6	1.4											74	74	130	26
46/ 45	.2	.8	.5	1.1	2.2	1.5	.7											87	87	139	46
44/ 43	.2	.4	.2	.6	1.2	1.0	.1											47	47	143	79
42/ 41	.2	.4	.2	1.3	1.4	.6												54	54	118	59
40/ 39	.1	.2	.2	.8	.6	.2												25	25	111	55
38/ 37			.2	1.0		.1												15	15	87	65
36/ 35			.1	.6	.2													13	13	66	57
34/ 33			.2	.2	.1													6	6	43	67
32/ 31		.1	.2	.1														4	4	32	91
30/ 29		.1																1	1	14	65
28/ 27																				6	83
26/ 25																				1	98
24/ 23																					73
22/ 21																					76
20/ 19																					75
18/ 17																					58
16/ 15																					52

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 — STATION

YUMA, ARIZONA — STATION NAME

73-77 — YEARS

JAN — MONTH

PAGE 2 — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
147 13																					31
127 11																					25
107 9																					17
87 7																					8
67 5																					2
47 3																					1
27 1																					1
TOTAL	.9	3.9	6.4	11.9	12.4	15.2	13.1	11.6	9.4	6.8	4.4	2.5	1.2	.4					1240		1240
																		1240		1240	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2711914	52420	42.3	20.006	1240		3.0	95.4	31.8	2.4		744.0
Dry Bulb	3870846	68254	55.0	9.588	1240		31.8					744.0
Wet Bulb	2478953	54861	44.2	6.462	1240		453.6					744.0
Dew Point	1225811	36761	29.6	10.476	1240							

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5605 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | FEB MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
88/ 87																.1	.3	4	4		
86/ 85															.2	.4		6	6		
84/ 83														.2	.5	.2		10	10		
82/ 81														.4	.4			9	9		
80/ 79												.1	.1	.4	.3			10	10		
78/ 77											.4	.3	.5	.4				18	18		
76/ 75										.2	.1	.7	.6	.5				24	24		
74/ 73								.2	.1	.4	.4	1.3	.7					35	35		
72/ 71								.1	.6	1.2	1.5	1.0	.7					57	57		
70/ 69						.1	.3	.4	.8	.8	1.2	.4	.2					47	47		
68/ 67					.1	.1	.4	.6	.8	1.2	1.4	.5						58	58		
66/ 65					.1	.5	.6	1.2	1.4	.9	1.3	.5						74	74		
64/ 63				.3	.9	.6	.8	1.3	1.2	1.1	.4							74	74		
62/ 61		.2	.1	.4	.4	.6	1.5	1.2	1.3	1.1	.2							78	78	1	
60/ 59		.4	.5	.5	.5	1.2	.6	.8	.8	.8								70	70	8	1
58/ 57		.5	.8	.4	.8	.7	.9	.9	.8	.4								69	69	39	6
56/ 55		.2	.5	.6	1.1	1.2	.9	1.2	.2	.2								68	68	83	5
54/ 53		1.0	1.0	1.9	.9	1.5	1.2	1.0	.1									96	96	96	15
52/ 51	.1	.6	1.4	.8	1.3	1.1	1.0	.5	.1									78	78	136	25
50/ 49	.1	.4	1.0	.7	1.2	2.1	1.4	.1										80	80	144	34
48/ 47	.1	.5	.7	.8	1.4	1.5	.4	.2										63	63	132	43
46/ 45	.1	.4	.5	.7	1.2	.3	.4											40	40	112	30
44/ 43		.1	.6	.5	.7	.4	.1	.1										29	29	97	65
42/ 41		.3	.4	.2	.7	.3												20	20	97	65
40/ 39			.2		.3	.2												7	7	82	57
38/ 37			.2		.1													3	3	54	52
36/ 35		.1																1	1	21	63
34/ 33																				18	73
32/ 31																				5	73
30/ 29																				3	79
28/ 27																					59
26/ 25																					78
24/ 23																					58
22/ 21																					57

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195	YUMA, ARIZONA	73-77	FEB
STATION	STATION NAME	YEARS	MONTH

PAGE 2
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
20/ 19																					53
18/ 17																					31
16/ 15																					36
14/ 13																					26
12/ 11																					17
10/ 9																					11
8/ 7																					2
6/ 5																					3
4/ 3																					2
2/ 1																					2
0/- 1																					3
-4 /- 5																					2
- 6/- 7																					2
TOTAL	.4	4.7	7.9	7.7	11.7	12.3	10.5	9.8	8.2	8.1	6.9	4.8	2.8	2.0	1.4	.6	.3		1128		1128
																		1128		1128	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2473825	46587	41.3	22.086	1128							
Dry Bulb	4088593	66961	59.4	10.040	1128			165.6	69.1	20.9		672.0
Wet Bulb	2545121	53147	47.1	6.034	1128		4.8					672.0
Dew Point	1288644	35892	31.8	11.404	1128	4.2	353.9					672.0

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | MAR MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
92/ 91																.1		1	1		
90/ 89															.1	.2		3	3		
88/ 87														.1	.1		.2	4	4		
86/ 85													.2	.2	.2	.4		13	13		
84/ 83											.1	.1	.2	.3	.3	.2	.1	18	18		
82/ 81											.1	.4	.2	.4	.2			17	17		
80/ 79									.1		.1	.6	.1	.5	.4			21	21		
78/ 77										.4	.5	.2	.6	.4				25	25		
76/ 75									.4	.5	1.0	.6	.9	.4	.1			48	48		
74/ 73								.2	.4	1.0	1.0	.7	.9	.1				53	53		
72/ 71								.5	.8	1.0	.6	1.0	.6	.1				58	58		
70/ 69						.1	.2	.4	1.5	1.2	.6	.3	.2					57	57		
68/ 67						.2	.3	1.3	1.1	1.3	1.3	.6						76	76		
66/ 65					.2	.6	1.3	1.7	1.0	1.0	.8	.1						82	82		
64/ 63				.1	.1	.8	.8	1.7	1.5	.6	.8							79	79	3	
62/ 61			.1	.1	.5	1.3	1.6	.7	1.1	.9	.2							81	81	10	
60/ 59				.6	.4	.9	1.6	1.9	.6	.9								85	85	28	
58/ 57		.1	.6	.4	1.0	1.2	1.4	1.3	.9	.2								87	87	56	
56/ 55		.1	.3	1.0	1.9	2.2	1.3	.8	.5									100	100	99	1
54/ 53		.6	1.1	1.3	2.0	1.7	.6	.9	.2									104	104	129	3
52/ 51		.4	1.0	1.3	1.8	1.4	.2	.3	.1									80	80	137	12
50/ 49		.2	.9	1.2	1.0	.7	.3	.2										57	57	165	34
48/ 47		.3	.8	1.2	.7	.3	.6											49	49	172	40
46/ 45		.4	.3	.5	.2	.2	.2											23	23	157	60
44/ 43			.2	.3	.2	.2												12	12	127	80
42/ 41			.2	.3		.1												7	7	70	90
40/ 39																				44	101
38/ 37																				23	122
36/ 35																				18	98
34/ 33																				2	87
32/ 31																					84
30/ 29																					55
28/ 27																					63
26/ 25																					52

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | MAR MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																					45
22/ 21																					36
20/ 19																					25
18/ 17																					28
16/ 15																					27
14/ 13																					22
12/ 11																					26
10/ 9																					17
8/ 7																					16
6/ 5																					6
4/ 3																					6
2/ 1																					3
0/- 1																					1
TOTAL		2.2	5.5	8.2	10.1	11.8	10.4	11.9	10.1	9.0	7.1	4.7	3.9	2.5	1.6	.9	.2		1240		1240
																		1240		1240	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2360008	48428	39.1	19.859	1240							
Dry Bulb	4871216	76734	61.9	9.953	1240			236.4	121.8	41.4		744.0
Wet Bulb	2975443	60359	48.7	5.492	1240							744.0
Dew Point	1486527	40811	32.9	10.756	1240	.6	307.2					744.0

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PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | APR MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
98/ 97																	.2	3	3		
96/ 95																	.6	7	7		
94/ 93																	.7	9	9		
92/ 91															.1	.3	1.0	17	17		
90/ 89														.1	.2	.6	1.1	24	24		
88/ 87													.1	.2	.7	1.2	.7	34	34		
86/ 85													.4	.7	1.2	.7	.3	40	40		
84/ 83												.1	.5	.7	1.7	.4		41	41		
82/ 81											.2	.9	1.1	1.6	.4	.2		52	52		
80/ 79									.1		.3	1.1	1.2	1.2	.2			50	50		
78/ 77									.1	.1	1.1	1.5	1.2	.7	.1			57	57		
76/ 75									.2	.4	1.0	1.7	.7	.4				54	54		
74/ 73								.3	.7	1.3	1.4	1.0	.6	.1				65	65		
72/ 71								.2	1.2	1.2	1.3	.7	.3	.1				62	62		
70/ 69							.2	.7	1.3	2.1	1.0	.4	.1					69	69		
68/ 67						.1	.3	1.9	1.9	1.4	.7	.3						80	80		
66/ 65				.2	.2	.3	1.1	2.2	1.7	.9	.4							84	84		
64/ 63				.1	.3	.5	1.2	1.6	1.3	.9	.2							74	74	10	
62/ 61		.1	.1	.2	.4	1.7	.9	1.2	.7	.2								66	66	39	
60/ 59				.1	.7	1.7	1.9	1.2	.7	.2								80	80	85	
58/ 57			.1	.7	.8	2.1	1.5	.4	.2	.2								72	72	123	2
56/ 55			.3	.6	.8	1.7	.7	.1										51	51	168	3
54/ 53		.2	.4	.5	1.0	.7	.6	.1										42	42	154	5
52/ 51		.5	.1	.5	.7	.5	.2	.1										32	32	180	10
50/ 49		.1	.2	.4	.3	.1	.1											15	15	144	25
48/ 47	.1		.1	.4	.2	.1	.1											12	12	116	28
46/ 45	.1	.1		.2	.1	.1												7	7	98	42
44/ 43			.1															1	1	43	82
42/ 41																				24	94
40/ 39																				9	106
38/ 37																				3	118
36/ 35																				2	117
34/ 33																					118
32/ 31																					94

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMMA JAN 68

PSYCHROMETRIC SUMMARY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) APR (MONTH)

PAGE 2 (HOURS (L S T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
30/ 29																					68
28/ 27																					73
26/ 25																					41
24/ 23																					45
22/ 21																					30
20/ 19																					31
18/ 17																					20
16/ 15																					15
14/ 13																					10
12/ 11																					12
10/ 9																					6
8/ 7																					4
6/ 5																					1
TOTAL	.2	.9	1.4	4.0	5.7	9.6	8.9	10.1	10.1	9.0	7.6	7.8	6.2	5.7	4.6	3.5	4.7		1200		1200
																		1200		1200	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	1003267	38583	32.2	17.393	1200							
Dry Bulb	5896398	83020	69.2	11.288	1200			398.4	271.8	153.6	11.4	720.0
Wet Bulb	3295741	62589	52.2	9.105	1200							720.0
Dew Point	1495090	41008	34.2	8.840	1200		270.0					720.0

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5-5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | MAY MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
108/107																	.2	2	2		
106/105																	.3	4	4		
104/103																	1.0	13	13		
102/101																	.8	10	10		
100/ 99															.1	.1	1.1	16	16		
98/ 97																.6	2.6	39	39		
96/ 95													.1		.2	.6	2.7	45	45		
94/ 93													.1	.5	.6	.8	1.6	45	45		
92/ 91											.1		.2	.3	1.0	.6	1.0	41	41		
90/ 89												.2	.6	.6	1.7	.8	.4	53	53		
88/ 87												.5	1.0	1.6	1.5	.6	.1	67	67		
86/ 85											.2	.7	.7	1.3	.6	.5		51	51		
84/ 83									.2		.6	1.1	1.0	.6	.6	.1		52	52		
82/ 81								.1	.2	.3	.7	1.4	1.4	.8	.5			66	66		
80/ 79							.1	.2	.4	.5	1.0	1.6	.5	.2				55	55		
78/ 77						.1		.2	.7	1.0	1.8	1.9	.4					75	75		
76/ 75						.2	.4	.4	1.4	2.4	2.0	1.5	.3	.1				109	109		
74/ 73							.2	.9	1.3	1.9	1.0	.4						69	69		
72/ 71				.1		.4	.3	1.9	1.3	2.1	.4	.6						88	88	3	
70/ 69					.2	.2	.6	1.0	1.2	.6	.2							50	50	6	
68/ 67				.1	.2	.3	1.0	1.9	1.7	.4	.1							72	72	44	
66/ 65				.2	.4	1.2	1.7	1.3	.5	.1								66	66	77	
64/ 63			.1	.1	.3	1.0	.7	.4	.4									38	38	129	2
62/ 61			.2	.3	.4	1.1	.6	.5		.1								40	40	151	3
60/ 59			.1	.2	.3	1.1	.9	.2										35	35	172	6
58/ 57			.3	.2	.2	.4	.2											17	17	189	13
56/ 55					.4	.5	.1											12	12	148	22
54/ 53					.4	.1												6	6	147	32
52/ 51					.2	.1												4	4	85	40
50/ 49																				45	79
48/ 47																				26	101
46/ 45																				15	120
44/ 43																				3	119
42/ 41																					137

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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0504 5 PSYCHROMETRIC SUMMA JAN 68

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PSYCHROMETRIC SUMMARY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | MAY (MONTH)

PAGE 2 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
40/ 39																					111
38/ 37																					132
36/ 35																					83
34/ 33																					64
32/ 31																					50
30/ 29																					46
28/ 27																					21
26/ 25																					23
24/ 23																					11
22/ 21																					15
20/ 19																					6
12/ 11																					1
10/ 9																					2
8/ 7																					1
TOTAL			.6	1.2	3.1	6.8	6.9	8.9	9.2	9.4	8.1	9.9	6.3	6.0	6.8	4.8	11.9	1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1398359	37377	30.1	14.808	1240			613.2	487.2	322.2	104.4	744.0
Dry Bulb	7739085	96885	78.1	11.084	1240			31.8				744.0
Wet Bulb	4209610	71970	58.0	9.101	1240							744.0
Dew Point	2148849	50671	40.9	7.946	1240		105.6					744.0

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PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | JUN MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
116/115																	.1	1	1		
114/113																	.7	8	8		
112/111																	1.1	13	13		
110/109																	2.3	28	28		
108/107																	2.4	29	29		
106/105																.2	2.7	35	35		
104/103															.2	.2	3.5	48	48		
102/101														.1	.1	.2	3.7	50	50		
100/ 99													.2		.2	.9	3.9	63	63		
98/ 97												.2	.2	.3	.2	1.0	4.2	76	76		
96/ 95											.2	.2	.2	.4	.7	1.1	2.2	61	61		
94/ 93												.1	.2	.5	.5	1.5	1.3	50	50		
92/ 91												.3	.4	.8	1.6	.9	.7	57	57		
90/ 89								.2	.2	.3	.3	.7	1.1	1.6	1.8	.6	.2	85	85		
88/ 87									.2	.6	.3	.8	.7	1.2	.8	.5	.2	65	65		
86/ 85						.1	.2	.3	.2	.7	.7	1.2	1.3	.6	.8	.1		76	76		
84/ 83							.1	.2	.2	.7	1.5	.7	1.2	.7	.2			68	68		
82/ 81					.1	.1	.1	.1	.2	.7	1.4	1.3	.8	.2	.2	.1		62	62		
80/ 79						.2		.1	.7	1.4	1.7	1.6	.4	.2				75	75		
78/ 77						.1	.3	.5	.6	1.1	1.4	.6	.6	.1				63	63	2	
76/ 75						.2	.1	.3	1.2	1.7	1.0	.2	.2					60	60	19	
74/ 73					.1	.4	.3	.2	.7	.6	.3		.1					34	34	21	
72/ 71				.1	.2	.3	.4	.7	1.1	.3	.1							40	40	60	2
70/ 69				.1	.1		.2	.6	.4	.1								17	17	90	3
68/ 67			.1	.1	.1	.2	.7	.3	.2	.1								21	21	141	12
66/ 65						.2		.2	.2									7	7	169	12
64/ 63						.2	.2	.2										7	7	200	10
62/ 61																				163	23
60/ 59					.1													1	1	131	26
58/ 57																				97	40
56/ 55																				64	50
54/ 53																				27	55
52/ 51																				14	80
50/ 49																				2	93

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMM JAN 68

PSYCHROMETRIC SUMMARY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS) JUN (MONTH)

PAGE 2 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
48/ 47																					86
46/ 45																					98
44/ 43																					130
42/ 41																					114
40/ 39																					75
38/ 37																					76
36/ 35																					50
34/ 33																					42
32/ 31																					38
30/ 29																					25
28/ 27																					16
26/ 25																					15
24/ 23																					7
22/ 21																					11
20/ 19																					2
18/ 17																					5
16/ 15																					2
14/ 13																					1
- 2/- 3																					1
TOTAL			.1	.2	.7	1.9	2.6	3.9	6.2	8.3	9.1	8.1	7.9	6.7	7.6	7.3	29.3		1200		1200
																		1200		1200	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	940578	29744	24.8	13.022	1200							
Dry Bulb	9627933	106613	88.8	11.406	1200			711.0	664.2	550.8	277.2	720.0
Wet Bulb	4866690	76180	63.5	5.046	1200			199.8	25.2			720.0
Dew Point	2303262	53370	44.6	9.656	1200	.6	73.8	10.2	1.2			720.0

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PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | JUL MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
114/113																	.2	2	2		
112/111																	.3	4	4		
110/109																	1.2	15	15		
108/107																.6	1.9	31	31		
106/105															.5	.9	3.5	60	60		
104/103													.1	.4	1.2	1.4	2.5	69	69		
102/101										.1		.1	.4	1.1	1.5	1.3	1.1	70	70		
100/ 99										.1		.7	1.2	1.9	.7	.9	1.4	86	86		
98/ 97										.2	.6	1.5	1.4	1.1	.9	.6	.6	87	87		
96/ 95										.1	.7	1.7	1.3	.8	1.0	.9	.5	87	87		
94/ 93									.3	1.0	1.3	1.5	.7	.7	.2		.2	73	73		
92/ 91							.1	.1	1.3	1.2	1.3	.5	.5	.1		.2	.1	65	65		
90/ 89							.1	1.1	1.7	1.5	1.5	1.1	1.0	.4	.3			108	108		
88/ 87						.2	1.4	1.3	1.9	2.4	1.0	1.3	.6	.2	.1			129	129		
86/ 85					.3	1.2	1.9	1.9	1.3	1.4	.6	.7	.2	.1	.2	.1		121	121		
84/ 83			.1	.2	1.1	1.0	1.3	1.5	1.0	1.0	.6	.6	.1	.2				108	108	1	
82/ 81				.2	1.4	.5	.7	.6	.5	.7	.5	.3	.2					70	70	1	
80/ 79			.2	.4	.2	.1	.4	.2	.1	.2	.4	.2	.2					30	30	14	1
78/ 77			.2			.1	.1	.1	.3	.2	.2							15	15	80	
76/ 75							.1		.2	.1								4	4	221	6
74/ 73							.1	.2		.1	.1							5	5	248	24
72/ 71							.1											1	1	206	61
70/ 69																				160	85
68/ 67																				118	116
66/ 65																				81	113
64/ 63																				43	121
62/ 61																				35	139
60/ 59																				17	110
58/ 57																				12	71
56/ 55																				3	69
54/ 53																					66
52/ 51																					62
50/ 49																					54
48/ 47																					34

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | 73-77 (YEARS) | JUL (MONTH)

PAGE 2 (HOURS (L.S.T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
46/ 45																					27
44/ 43																					21
42/ 41																					8
40/ 39																					15
38/ 37																					10
36/ 35																					10
34/ 33																					4
32/ 31																					6
30/ 29																					2
28/ 27																					2
26/ 25																					2
20/ 19																					1
TOTAL			.5	.7	3.0	3.1	6.1	6.9	8.6	10.2	8.8	10.2	7.7	7.2	6.6	6.6	13.5	1240	1240	1240	1240

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	1927366	45120	36.4	15.182	1240							
Dry Bulb	10687257	114663	92.5	8.251	1240			744.0	743.4	720.0	350.4	744.0
Wet Bulb	6305719	88247	71.2	4.932	1240			629.4	339.0	4.2		744.0
Dew Point	4492873	73797	59.5	9.026	1240		7.8	175.8	93.6	.6		744.0

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | AUG MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
114/113																	.1	1	1		
112/111																	.3	4	4		
110/109																.2	.9	13	13		
108/107														.1	.3	.2	2.9	44	44		
106/105														.2	.5	1.0	3.0	59	59		
104/103													.1	.6	.9	.8	3.0	67	67		
102/101													.4	1.0	.7	1.0	2.	71	71		
100/ 99										.1	.2	.6	1.3	1.1	.4	.6	1.4	70	70		
98/ 97										.1	1.0	1.1	.7	.7	.5	.8	1.9	85	85		
96/ 95									.1	.7	1.1	1.3	1.0	.3	.3	1.0	1.0	85	85		
94/ 93									.6	1.0	1.5	.3	.6	.4	.4	.6	.6	73	73		
92/ 91							.1	.2	.6	1.5	.8	.5	.3	.2	.3	.5	.2	65	65		
90/ 89						.1	.5	.7	1.6	1.3	.9	.4	.3	.5	.5	.1	.1	86	86		
88/ 87					.3	.3	1.3	1.1	1.0	1.0	1.0	.7	.6	.3	.1	.2		97	97		
86/ 85				.2	.8	1.9	1.3	1.7	1.1	.7	.6	.5	.8	.3	.2			127	127		
84/ 83				.5	1.0	1.0	.6	.3	.6	.9	1.0	.6	.6	.2	.2			92	92		
82/ 81			.2	.3	.4	.9	.4	.3	.4	.6	1.3	.5	.1	.2				70	70	4	
80/ 79			.4	.2	.2	.2	.3	.4	.3	.3	.6	.2	.5					46	46	31	1
78/ 77		.4	.2	.2		.1	.2	.4	.6	.7	.4	.2	.1					43	43	126	7
76/ 75		.2	.2			.2	.2	.2	.3	.4								23	23	191	30
74/ 73						.1	.2	.2	.1	.2	.2							13	13	164	45
72/ 71							.2	.2		.1								5	5	139	63
70/ 69							.1												1	99	84
68/ 67																				118	100
66/ 65																				88	99
64/ 63																				108	91
62/ 61																				74	82
60/ 59																				40	64
58/ 57																				23	64
56/ 55																				13	45
54/ 53																				2	54
52/ 51																					57
50/ 49																					57
48/ 47																					47

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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5 PSYCHROMETRIC SUMMA JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | AUG MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
46/ 45																					38
44/ 43																					47
42/ 41																					36
40/ 39																					30
38/ 37																					22
36/ 35																					19
34/ 33																					18
32/ 31																					14
30/ 29																					8
28/ 27																					9
26/ 25																					6
24/ 23																					1
22/ 21																					2
TOTAL		.6	1.1	1.5	2.7	4.8	5.3	5.9	7.4	9.6	10.6	6.9	7.4	6.2	5.2	6.9	17.9		1240		1240
																		1240		1240	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	1997135	44511	35.9	17.953	1240
Dry Bulb	10539845	113747	91.7	9.058	1240
Wet Bulb	6141879	86969	70.1	5.835	1240
Dew Point	4261982	71174	57.4	11.942	1240

Mean No. of Hours with Temperature						
≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
		744.0	740.4	682.8	343.2	744.0
		535.2	321.6	7.8		744.0
	24.0	198.0	65.4	.6		744.0

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PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | SEP MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
110/109																	.1	1	1		
108/107																	.7	8	8		
106/105															.2	.2	.7	15	15		
104/103													.1	.1	.3	.2	.7	17	17		
102/101												.1	.2	.5	.1	.3	1.0	27	27		
100/ 99											.1	.5	.2	.8	.8	.4	2.3	63	63		
98/ 97										.1	.2	.4	.7	.4	.8	.5	1.3	53	53		
96/ 95									.1	.5	.3	.9	1.7	.6	.6	.6	.7	71	71		
94/ 93									.4	.7	.7	.7	.5	.4	.8	.8	.7	69	69		
92/ 91								.2	.4	.7	.9	1.1	.8	.7	.4	.6	.2	72	72		
90/ 89							.2	.7	.7	1.1	.6	.6	.7	.8	.6	.3		77	77		
88/ 87					.2	.2	.8	1.0	.8	.9	.8	.6	.5	.7	.2			81	81		
86/ 85				.4	.7	.3	1.3	1.0	1.2	.7	.9	.7	.5	.5				100	100		
84/ 83				.5	.8	.6	1.1	1.1	.7	.5	.3	.4	.4					77	77		
82/ 81			.2	.3	.9	1.5	.7	1.6	.7	.4	.6	.4	.2	.2				92	92		
80/ 79			.2	.7	.8	1.0	.7	.6	.5	.6	.5	.5		.1				75	75	23	2
78/ 77			.2	.5	.9	1.2	.9	.7	.7	.7	.5	.2	.2					83	83	56	6
76/ 75			.3	.7	1.2	1.3	.5	.3	.5	.4	.2	.5						72	72	83	20
74/ 73			.4	1.0	.7	.7	.7	.7	.5	.6	.6	.1						72	72	137	26
72/ 71		.2	.4	.8	.5	.1	.3	.4	.7	.1								42	42	153	50
70/ 69		.2	.2		.2	.1	.2	.2	.2									19	19	140	64
68/ 67		.1		.2	.1	.1	.2	.2	.2									11	11	147	94
66/ 65					.1		.1											2	2	137	100
64/ 63				.1														1	1	108	101
62/ 61																				82	83
60/ 59																				54	100
58/ 57																				35	58
56/ 55																				31	57
54/ 53																				13	62
52/ 51																				1	48
50/ 49																					46
48/ 47																					41
46/ 45																					45
44/ 43																					45

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195	YUMA, ARIZONA	73-77	SEP
STATION	STATION NAME	YEARS	MONTH

PAGE 2

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
42/ 41																					42
40/ 39																					30
38/ 37																					22
36/ 35																					17
34/ 33																					17
32/ 31																					11
30/ 29																					4
28/ 27																					4
26/ 25																					4
24/ 23																					1
TOTAL		.5	1.9	5.2	7.2	7.1	7.9	8.7	8.3	7.9	7.2	7.7	6.8	5.8	5.0	4.1	8.4	1200	1200	1200	1200

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Ref. Hum.	2398134	50718	42.3	19.470	1200			718.2	675.0	519.0	194.4	720.0
Dry Bulb	8969720	103148	86.0	9.289	1200			443.4	179.4	4.2		720.0
Wet Bulb	5398291	81661	68.1	5.861	1200		14.4	157.2	45.0	1.2		720.0
Dew Point	4068492	68586	57.2	11.127	1200							

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | OCT MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
102/101																	.3	4	4		
100/ 99														.1		.2	.5	9	9		
98/ 97													.1			.6	.5	14	14		
96/ 95											.1	.1		.2	.1	.2	1.9	32	32		
94/ 93													.1	.3	.2	.6	.9	27	27		
92/ 91								.1		.1	.3	.2	.2	.3	.6	1.0	1.0	47	47		
90/ 89									.1	.1	.5	.3	.6	1.0	.8	.5	.2	50	50		
88/ 87								.1	.2	.1	.3	.2	.6	1.1	.7	.4	.2	50	50		
86/ 85								.4	.1	.2	.6	.8	.6	.5	.5	.1		46	46		
84/ 83						.2	.4	.3	.2	.6	.8	1.4	.8	.7	.4			72	72		
82/ 81					.1	.1	.2	.5	.2	.3	1.1	.7	.8	.5	.1			57	57		
80/ 79				.1	.1	.3	.2	.3	.7	.7	1.4	.6	.7	.4	.1			69	69		
78/ 77			.2	.1	.2	.1	.4	.6	.7	1.2	.7	.7	.4	.1				66	66	1	
76/ 75		.1	.4	.6	.3	.3	.4	.5	1.0	.8	.9	.5	.2					74	74	3	
74/ 73		.4	.4	.5	.2	.9	.6	1.3	1.0	.6	.8	.3	.2					90	90	17	1
72/ 71		.2	.2	.3	.6	.5	.7	1.3	1.5	1.3	.5	.1						88	88	40	9
70/ 69		.1	.1	.4	.2	.4	1.3	1.9	1.0	.6	.5	.2						82	82	44	19
68/ 67		.1	.2	1.3	.2	.9	1.9	1.9	.7	.2	.2							94	94	51	14
66/ 65		.2	.2	.6	.6	1.2	1.3	1.0	.4	.4	.2							77	77	71	22
64/ 63		.2	.6	.4	.4	1.0	1.0	.4	.6	.1								58	58	148	32
62/ 61		.5		.4	.6	.6	.6	.5	.2	.1								42	42	156	24
60/ 59				.4	.4	.8	.5	.3	.1									31	31	136	37
58/ 57		.1	.1	.4	.3	.9	.3	.1	.1									28	28	138	58
56/ 55		.1			.2	.4	.1	.2	.1									12	12	136	41
54/ 53		.1	.2	.2	.2	.2		.2										15	15	111	47
52/ 51			.1	.1	.1	.1	.1											5	5	66	71
50/ 49																				45	88
48/ 47							.1											1	1	46	105
46/ 45																				16	88
44/ 43																				5	109
42/ 41																				4	91
40/ 39																				5	77
38/ 37																				1	64
36/ 35																					61

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

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NAVAIR 105 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | OCT MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
34/ 33																					37
32/ 31																					30
30/ 29																					24
28/ 27																					26
26/ 25																					19
24/ 23																					18
22/ 21																					7
20/ 19																					10
18/ 17																					5
16/ 15																					4
14/ 13																					2
TOTAL		2.0	2.5	5.8	4.7	8.9	9.9	11.8	8.9	7.3	9.0	6.1	5.5	5.2	3.5	3.5	5.5		1240		1240
																		1240		1240	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2378852	48628	39.2	19.514	1240			582.6	424.2	262.8	51.6	744.0
Dry Bulb	7220988	93664	75.5	10.856	1240			93.6	12.6			744.0
Wet Bulb	4376567	73205	59.0	6.528	1240							744.0
Dew Point	2722696	56436	45.5	11.153	1240		87.0	25.8	1.8			744.0

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PSYCHROMETRIC SUMMARY

23195 — STATION
YUMA, ARIZONA — STATION NAME
73-77 — YEARS
NOV — MONTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
92/ 91														.1				1	1		
90/ 89													.1		.1	.2	.2	8	8		
88/ 87													.1	.1	.2	.2		7	7		
86/ 85											.1		.1	.7	.6	.2		20	20		
84/ 83										.1		.1	.2	1.2	.6			26	26		
82/ 81										.1	.2	.3	.7	1.0	.2			29	29		
80/ 79										.2	.3	.2	.7	.8	.1			29	29		
78/ 77								.1	.3	.3	.5	1.3	1.3	.7				55	55		
76/ 75							.1	.2	.2	.2	.8	1.6	1.2	.1				53	53		
74/ 73						.1	.2	.1	.3	.9	1.5	.7	.3					50	50		
72/ 71					.2		.2	.3	.6	1.2	.9	.4	.2					47	47		
70/ 69				.1		.2	.2	.7	1.2	1.0	.9	.7						60	60		
68/ 67				.1	.1	.4	.8	.9	1.1	1.0	.8	.3	.1					68	68	1	
66/ 65			.1	.2		.1	.5	.9	1.7	1.6	.7	.1						70	70	4	
64/ 63			.3		.4	1.1	1.2	2.1	1.4	.7	.2							89	89	9	
62/ 61		.1	.2	.1	.5	.7	1.0	1.3	.6	.7	.2							64	64	25	1
60/ 59	.1	.2	.5	.6	1.0	1.7	2.1	1.3	1.1	.2								106	106	55	4
58/ 57		.3	.2	.4	1.0	2.1	2.1	.9	.7	.2								95	95	76	9
56/ 55		.6	.2	.5	1.2	1.2	1.1	.8	.2	.2								72	72	115	10
54/ 53	.2	.3	.3	.6	1.9	1.3	1.3	.5	.2	.2								83	83	148	24
52/ 51		.2	.6	.9	.9	1.1	1.2	.2										60	60	118	19
50/ 49		.1	.3	.3	1.0	1.1	.7		.2									45	45	153	28
48/ 47			.1	.2	.6	.4	.2	.2										21	21	143	34
46/ 45			.1	.2	.3	.2	.2	.2										14	14	108	50
44/ 43		.2	.2	.3	.5	.2	.1											18	18	83	52
42/ 41		.1	.1				.2											5	5	64	61
40/ 39			.2			.1												4	4	45	91
38/ 37				.1														1	1	28	113
36/ 35																				13	104
34/ 33																				4	93
32/ 31																				5	90
30/ 29																				3	72
28/ 27																					79
26/ 25																					70

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

NAVAIR 2097-54321

5 PSYCHROMETRIC SUMMA JAN 68

2

PSYCHROMETRIC SUMMARY

23195 — STATION
YUMA, ARIZONA — STATION NAME
73-77 — YEARS
NOV — MONTH
PAGE 2 — HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
24/ 23																					40
22/ 21																					29
20/ 19																					32
18/ 17																					35
16/ 15																					14
14/ 13																					12
12/ 11																					8
10/ 9																					1
8/ 7																					1
6/ 5																					1
4/ 3																					4
2/ 1																					5
0/- 1																					1
- 2/- 3																					4
-4 /- 5																					1
- 6/- 7																					5
- 8/- 9																					2
-12/-13																					1
TOTAL	.2	2.0	3.3	4.7	9.7	12.1	13.4	10.7	10.0	8.7	7.1	5.8	5.0	4.7	1.7	.6	.2	1200	1200	1200	1200

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	2073075	44549	37.1	18.698	1200							
Dry Bulb	5018689	76553	63.8	10.613	1200			271.8	166.8	63.0		720.0
Wet Bulb	3015049	59669	49.7	6.331	1200		4.8	.6				720.0
Dew Point	1508910	40496	33.7	10.894	1200	8.4	304.2					720.0

NAVWEASERVCOM

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5 PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | DEC MONTH

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
80/ 79													.2					2	2		
78/ 77										.2	.2	.6	.3					15	15		
76/ 75											.3	.7	.5	.1				20	20		
74/ 73										.2	1.0	.6	.3					26	26		
72/ 71								.2	.4	.7	.5	1.1	.3					40	40		
70/ 69							.1	.4	.2	.7	1.2	.6						39	39		
68/ 67				.1	.1	.1	.4	.1	.8	1.3	1.7	.4						61	61		
66/ 65			.2					.7	.9	1.9	1.0	.4						63	63		
64/ 63		.1	.2	.2	.1	.2	.5	1.4	1.0	1.3	.5	.2						68	68		
62/ 61		.2	.1	.5	.3	.5	1.1	.8	1.1	.8								67	67	6	
60/ 59		.3	.2	.2	.4	1.0	.8	2.1	1.5	.6								89	89	8	3
58/ 57	.2	.8	.3	.2	.5	1.3	1.2	1.1	1.4	.2								88	88	25	10
56/ 55	.6	.9	.6	.3	.9	.6	1.4	1.9	.9									102	102	60	12
54/ 53	.4	.7	.4	.2	1.1	1.1	1.2	1.6	.3									88	88	79	35
52/ 51	.4	.6	.5	.3	1.1	1.8	1.8	1.0	.1									95	95	95	23
50/ 49	.2	.4	.3	1.1	2.0	1.9	1.5	.6										101	101	121	20
48/ 47	.2	.2	.6	1.3	2.1	1.5	.7	.1										85	85	138	23
46/ 45	.1	.2	1.0	1.5	1.3	1.5	.5											75	75	126	20
44/ 43		.2	.4	.7	1.5	.6	.2											45	45	126	28
42/ 41		.1	.6	.9	.7	.5												34	34	144	41
40/ 39	.1		.2	.6	.3	.1												17	17	120	48
38/ 37			.3	.4														9	9	76	71
36/ 35	.2	.1	.2		.2													8	8	62	85
34/ 33	.1	.1	.1															3	3	37	82
32/ 31																				14	68
30/ 29																					94
28/ 27																				3	82
26/ 25																					87
24/ 23																					93
22/ 21																					69
20/ 19																					50
18/ 17																					59
16/ 15																					33
14/ 13																					39

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM 14/8 2097-54321

5 PSYCHROMETRIC SUMMARY JAN 68

2

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | DEC MONTH

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31		Dry Bulb	Wet Bulb	Dew Point
12/ 11																					26
10/ 9																					13
8/ 7																					15
6/ 5																					5
4/ 3																					4
0/- 1																					1
- 2/- 3																					1
TOTAL	2.3	4.9	6.1	9.0	12.7	12.6	11.4	12.0	8.5	7.9	6.3	4.6	1.6	.1					1240		1240
																		1240		1240	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.	2831221	52369	42.2	22.361	1240							
Dry Bulb	4042654	69846	56.3	9.354	1240			121.8	37.8	.6		744.0
Wet Bulb	2581022	56018	45.2	6.375	1240		10.2					744.0
Dew Point	1292376	37412	30.2	11.491	1240	1.2	443.4					744.0

NAVWEASERVCOM

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PSYCHROMETRIC SUMMARY JAN 68

PSYCHROMETRIC SUMMARY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 YEARS | ALL MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
116/115																	.0	1	1		
114/113																	.1	11	11		
112/111																	.1	21	21		
110/109																.0	.4	57	57		
108/107														.0	.0	.1	.7	114	114		
106/105														.0	.1	.2	.9	173	173		
104/103													.0	.1	.2	.2	.9	214	214		
102/101										.0		.0	.1	.2	.2	.2	.8	232	232		
100/ 99										.0	.0	.2	.2	.3	.2	.3	.9	307	307		
98/ 97										.0	.2	.3	.3	.2	.2	.3	1.0	357	357		
96/ 95									.0	.1	.2	.3	.4	.2	.2	.4	.8	388	388		
94/ 93									.1	.2	.3	.2	.2	.2	.2	.4	.5	346	346		
92/ 91							.0	.0	.2	.3	.3	.2	.2	.2	.3	.3	.4	366	366		
90/ 89						.0	.1	.2	.4	.4	.3	.3	.4	.4	.5	.3	.2	494	494		
88/ 87					.0	.1	.3	.3	.3	.4	.3	.3	.4	.5	.4	.3	.1	538	538		
86/ 85				.1	.2	.3	.4	.4	.3	.3	.3	.4	.4	.4	.4	.2	.0	600	600		
84/ 83			.0	.1	.3	.2	.3	.3	.3	.3	.4	.4	.4	.4	.4	.1	.0	564	564	1	
82/ 81			.0	.1	.2	.3	.2	.3	.2	.3	.5	.5	.5	.4	.2	.0		526	526	5	
80/ 79			.1	.1	.1	.1	.1	.2	.2	.3	.5	.6	.4	.3	.1			467	467	68	4
78/ 77		.0	.1	.1	.1	.1	.2	.2	.3	.5	.6	.7	.5	.2	.0			525	525	265	13
76/ 75		.0	.1	.1	.1	.2	.2	.2	.3	.6	.6	.7	.4	.1	.0			557	557	517	56
74/ 73		.0	.1	.1	.1	.2	.2	.4	.4	.7	.7	.5	.3	.0				532	532	607	96
72/ 71		.0	.0	.1	.1	.1	.2	.3	.7	.8	.5	.3	.2	.0				557	557	601	185
70/ 69		.0	.0	.0	.1	.1	.3	.5	.7	.6	.5	.2	.0					466	466	539	255
68/ 67		.0	.0	.2	.1	.2	.5	.8	.8	.7	.6	.2	.0					593	593	620	336
66/ 65		.0	.0	.1	.1	.4	.6	.8	.7	.6	.4	.1						576	576	627	346
64/ 63		.0	.1	.1	.2	.3	.6	.9	.7	.5	.2	.0						564	564	758	357
62/ 61		.1	.1	.2	.3	.6	.7	.6	.5	.4	.0							506	506	745	355
60/ 59	.0	.1	.1	.2	.4	.8	.8	.8	.5	.3								577	577	735	351
58/ 57	.0	.2	.2	.3	.5	.8	.7	.5	.5	.1								549	549	826	331
56/ 55	.0	.2	.2	.4	.6	.7	.6	.6	.3	.0								514	514	955	316
54/ 53	.0	.3	.4	.5	.7	.7	.5	.5	.1	.0								543	543	975	403
52/ 51	.1	.2	.4	.4	.6	.6	.5	.3	.0									444	444	937	461
50/ 49	.0	.1	.3	.4	.5	.6	.5	.1	.0									389	389	943	568

Element (X)	ΣX^3	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb												
Wet Bulb												
Dew Point												

NAVWEASERVCOM

14/8 2097-54321

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5 PSYCHROMETRIC SUMMA JAN 68

PSYCHROMETRIC SUMMARY

23195 — STATION | YUMA, ARIZONA — STATION NAME | 73-77 — YEARS | ALL — MONTH

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
48/ 47	.0	.1	.2	.4	.5	.4	.3	.0										305	305	903	608
46/ 45	.0	.2	.2	.4	.4	.3	.2	.0										246	246	771	664
44/ 43	.0	.1	.1	.2	.3	.2	.0	.0										152	152	629	857
42/ 41	.0	.1	.1	.2	.2	.1	.0											120	120	521	838
40/ 39	.0	.0	.1	.1	.1	.0												53	53	416	796
38/ 37			.1	.1	.0	.0												28	28	272	867
36/ 35	.0	.0	.0	.1	.0													22	22	182	764
34/ 33	.0	.0	.0	.0	.0													9	9	104	702
32/ 31		.0	.0	.0														4	4	56	649
30/ 29		.0																1	1	20	542
28/ 27																				9	517
26/ 25																				1	495
24/ 23																					392
22/ 21																					332
20/ 19																					285
18/ 17																					241
16/ 15																					183
14/ 13																					143
12/ 11																					115
10/ 9																					67
8/ 7																					47
6/ 5																					17
4/ 3																					18
2/ 1																					11
0/-1																					6
-2/-3																					6
-4/-5																					3
-6/-7																					7
-8/-9																					2
-12/-13																					1
TOTAL	.3	1.8	3.1	5.0	7.0	8.8	8.9	9.4	8.7	8.5	7.7	6.6	5.2	4.4	3.7	3.3	7.7	14608	14608	14608	14608

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.
Rel. Hum.	253137 34	539034	36.9	19.268	14608
Dry Bulb	82969224	1070088	73.3	16.919	14608
Wet Bulb	48387887	824875	56.5	11.129	14608
Dew Point	28495512	606614	41.5	15.042	14608

Mean No. of Hours with Temperature

Element (X)	≤0 F	≤32 F	≥67 F	≥73 F	≥80 F	≥93 F	Total
Rel. Hum.		3.0	5402.4	4433.5	3339.5	1332.6	8760.0
Dry Bulb		51.6	1933.8	877.8	16.2		8760.0
Wet Bulb	15.0	2444.9	567.0	147.0	2.4		8760.0
Dew Point							

NAVWEASERVCOM

5605 PSYCHROMETRIC SUMMARY JAN 68

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN	49.0	52.2	54.8	60.7	69.3	79.0	84.9	84.1	78.8	68.0	56.9	50.2	65.7
	S. D.	5,647	4.620	5.106	5,984	6,701	5.810	3.037	3.991	4.791	6.099	5.497	4,982	13.950
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
05	MEAN	46.4	49.2	51.8	56.8	65.0	74.8	82.6	81.1	75.8	64.6	53.8	47.5	62.5
	S. D.	6,173	4,831	4,943	5,500	6,082	5,945	3,671	4,752	5,278	6,042	5,457	5,312	13,911
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
08	MEAN	45.5	48.8	53.2	61.3	71.2	81.5	86.4	84.3	78.5	66.7	54.2	46.8	64.9
	S. D.	5,882	4,814	5,053	6,027	6,554	5,639	3,105	3,796	5,172	6,139	5,646	5,108	15,592
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
11	MEAN	58.0	63.5	66.2	74.6	83.1	93.6	95.7	95.4	90.1	81.0	68.7	60.0	77.6
	S. D.	5,581	4,776	6,273	7,608	7,863	6,511	3,413	3,747	4,895	6,582	6,647	4,776	14,808
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
14	MEAN	65.7	70.7	72.4	80.4	89.4	100.7	102.0	102.1	96.4	87.5	75.9	67.6	84.3
	S. D.	6,330	6,250	7,141	8,488	8,752	6,598	4,342	4,282	5,258	7,467	7,729	6,038	14,891
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
17	MEAN	65.8	71.4	73.0	81.3	90.6	102.7	103.4	103.6	97.1	87.5	75.4	67.2	85.0
	S. D.	6,716	6,964	7,717	8,713	9,099	6,504	4,338	4,968	5,714	7,796	8,084	6,141	15,544
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
20	MEAN	57.7	62.7	64.8	72.6	82.3	93.8	96.0	95.4	88.5	77.7	65.7	58.3	76.4
	S. D.	5,650	5,379	6,414	7,414	7,864	5,757	3,759	4,197	5,200	6,462	6,329	4,724	15,224
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
23	MEAN	52.3	56.4	58.8	65.7	74.2	84.6	88.7	88.0	82.4	71.3	59.8	53.0	69.7
	S. D.	5,549	4,752	5,361	6,661	6,865	5,821	3,031	3,853	4,781	6,158	5,943	4,649	14,282
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	55.0	59.4	61.9	69.2	78.1	88.8	92.5	91.7	86.0	75.5	63.8	56.3	73.3
	S. D.	9,588	10,041	9,953	11,289	11,685	11,406	8,251	9,059	9,289	10,857	10,613	9,354	16,919
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

5707 MEANS AND STANDARD DEVIATIONS JAN 68

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MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN	41.3	44.1	46.0	49.0	54.7	60.1	68.9	68.0	66.9	56.9	47.0	42.4	53.8
	S. D.	5,532	5.156	4,449	4,273	3,949	4.551	4,791	6.211	6,328	6,675	5,170	5,405	11.175
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
05	MEAN	39.9	42.4	44.2	47.3	53.6	59.0	68.8	68.0	65.8	55.2	45.1	40.4	52.5
	S. D.	5,848	5.521	4,517	4,320	4,421	4.798	4,945	6.472	6,733	6,722	5,385	5,333	11.769
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
08	MEAN	39.0	41.9	45.0	49.6	56.8	62.6	70.9	70.3	67.3	55.8	45.1	39.8	53.7
	S. D.	5,613	5.495	4,568	4,225	4,460	4.614	4,696	6.431	6,676	6,507	5,324	5,235	12.641
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
11	MEAN	46.1	49.2	50.7	54.4	60.1	65.2	72.6	71.9	70.0	61.6	52.1	47.2	58.5
	S. D.	5,037	4,160	4,370	3,852	4,152	4.065	4,028	5.513	5,271	5,862	5,087	4,663	10.513
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
14	MEAN	49.2	51.8	52.7	56.0	61.5	66.5	73.3	71.9	70.0	62.7	54.7	50.4	60.1
	S. D.	4,769	3,740	4,388	3,685	4,238	3.597	3,626	4.971	4,616	4,964	4,871	4,672	9,478
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
17	MEAN	49.4	52.1	52.8	56.0	61.4	66.8	73.0	71.5	69.6	62.3	54.5	50.5	60.0
	S. D.	4,796	3,878	4,539	3,810	4,239	3.413	3,355	4.555	4,601	4,893	5,096	4,812	9,321
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
20	MEAN	45.9	49.0	50.3	53.8	59.5	65.5	71.9	70.4	67.8	59.8	50.8	46.6	57.7
	S. D.	5,149	4,479	4,548	4,173	4,505	4.185	3,861	4.872	5,054	5,326	5,094	4,906	10.240
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
23	MEAN	43.2	46.4	47.8	51.0	56.8	62.1	69.8	69.0	67.0	57.9	48.5	44.2	55.4
	S. D.	5,398	4,857	4,519	3,948	4,249	4.462	4,140	5.832	5,686	6,135	5,498	5,249	10.671
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	44.2	47.1	48.7	52.2	58.0	63.5	71.2	70.1	68.1	59.0	49.7	45.2	56.5
	S. D.	6,463	6,035	5,492	5,106	5,102	5.046	4,532	5.836	5,861	6,529	6,931	6,376	11.130
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

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5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN	29.9	33.3	35.1	36.1	41.4	44.8	59.7	58.1	59.5	47.4	35.0	30.9	42.7
	S. D.	10.447	10.746	9.578	8.072	6.610	10.091	9.195	11.452	10.999	11.153	10.852	11.167	14.774
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
05	MEAN	29.7	32.7	34.1	36.3	43.3	46.6	61.0	60.3	59.4	46.7	33.8	29.3	42.8
	S. D.	10.275	10.729	9.953	8.654	6.739	8.237	8.593	10.775	10.748	11.003	10.684	10.634	15.169
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
08	MEAN	28.6	31.8	34.1	36.9	44.6	49.1	62.6	62.3	60.5	46.3	33.2	28.7	43.3
	S. D.	10.301	10.929	10.314	8.486	7.419	8.701	8.913	11.465	10.746	11.046	10.766	10.215	15.987
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
11	MEAN	30.3	31.8	32.8	33.9	41.1	44.5	60.4	58.8	58.4	46.3	34.0	30.4	42.0
	S. D.	10.729	11.892	10.836	8.847	8.010	9.835	9.169	12.359	11.118	11.899	11.204	11.643	15.482
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
14	MEAN	28.8	29.5	29.9	30.9	38.2	41.4	58.1	54.1	54.4	43.2	32.2	29.1	39.2
	S. D.	10.439	11.598	11.393	8.934	8.306	9.492	8.885	12.286	10.859	11.167	10.752	12.481	14.981
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
17	MEAN	29.0	29.1	29.3	29.5	36.2	40.3	56.3	52.2	52.5	41.9	32.4	29.9	38.3
	S. D.	10.522	12.149	12.095	8.483	8.475	8.980	8.907	11.876	11.504	11.139	10.857	12.460	14.567
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
20	MEAN	30.3	32.6	33.4	34.6	40.3	45.6	58.7	55.7	55.2	45.5	34.1	31.2	41.5
	S. D.	10.802	11.367	10.272	8.428	7.722	9.138	9.032	10.758	10.223	10.213	10.809	11.664	14.200
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
23	MEAN	30.6	33.7	34.6	35.2	41.8	44.9	59.2	57.7	57.4	46.7	35.3	31.9	42.5
	S. D.	10.347	11.160	10.085	8.145	6.919	9.992	8.234	11.464	10.442	10.607	11.085	11.363	14.358
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	29.6	31.8	32.9	34.2	40.9	44.6	59.5	57.4	57.2	45.5	33.7	30.2	41.5
	S. D.	10.477	11.405	10.756	8.841	7.947	9.657	9.026	11.943	11.127	11.153	10.894	11.492	15.042
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

23195 YUMA, ARIZONA 73-77 JAN

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	02	100.0	97.4	86.5	69.0	45.8	28.4	16.8	8.4	4.5	50.9	155
	05	100.0	98.1	91.0	72.3	59.4	36.8	23.9	11.6	5.2	55.5	155
	08	100.0	100.0	89.0	72.9	54.2	36.1	23.2	13.5	5.8	55.2	155
	11	100.0	92.3	56.8	36.8	20.0	11.0	5.2	3.2	1.3	37.9	155
	14	99.4	60.6	34.2	14.8	3.9	1.3	1.3			27.2	155
	17	98.7	61.3	36.1	13.5	6.5	1.3	.6	.6		27.4	155
	20	100.0	92.3	58.1	33.5	20.6	12.9	5.2	1.3		38.0	155
	23	100.0	96.8	79.4	57.4	31.6	20.6	11.0	3.2	.6	46.1	155
TOTALS		99.8	87.4	66.4	46.3	30.3	18.6	10.9	5.2	2.2	42.3	1240

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

23195 YUMA, ARIZONA 73-77 FEB

STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	02	100.0	96.5	85.8	68.8	48.2	34.8	20.6	5.7	.7	51.8	141
	05	100.0	99.3	90.1	73.8	57.4	42.6	30.5	12.8	3.5	56.5	141
	08	100.0	98.6	89.4	71.6	50.4	37.6	30.5	14.2	5.0	55.6	141
	11	99.3	73.8	47.5	31.2	17.0	9.9	5.7	3.5	1.4	34.5	141
	14	90.1	49.6	29.8	12.8	7.1	3.5	2.1	1.4		25.2	141
	17	83.7	48.2	27.0	12.8	5.7	5.0	3.5	2.1	.7	24.6	141
	20	99.3	80.1	52.5	33.3	20.6	9.9	5.7	2.8	1.4	36.1	141
	23	98.6	95.7	77.3	54.6	35.5	22.7	12.1	5.0	.7	46.1	141
TOTALS		96.4	80.2	62.4	44.9	30.2	20.8	13.8	5.9	1.7	41.3	1128

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

23195 YUMA, ARIZONA 73-77 MAR

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	02	100.0	96.1	84.5	73.5	50.3	31.0	13.5	4.5	1.3	50.6	155
	05	100.0	95.5	87.7	76.8	58.1	38.1	20.0	6.5	3.2	54.4	155
	08	100.0	94.2	81.9	74.2	54.8	32.3	20.0	6.5	1.3	52.1	155
	11	97.4	70.3	50.3	23.2	9.0	3.9	1.9			31.9	155
	14	88.4	51.6	29.0	7.1	2.6	.6				23.3	155
	17	83.9	49.0	27.7	5.2	1.9	1.3	1.3			22.7	155
	20	98.1	81.3	54.8	32.9	10.3	4.5	3.2	1.9		33.9	155
	23	99.4	92.9	74.2	55.5	32.9	13.5	6.5	1.9		43.5	155
TOTALS		95.9	78.9	61.3	43.6	27.5	15.7	8.3	2.7	.7	39.1	1240

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) APR (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	02	100.0	95.3	80.0	51.3	26.0	8.7	3.3	2.0	.7	42.4	150
	05	100.0	96.0	86.7	68.7	44.7	22.0	8.7	2.7	2.0	49.1	150
	08	100.0	94.7	76.7	53.3	30.0	13.3	4.0	2.0	1.3	43.2	150
	11	96.7	58.0	28.0	8.0	2.7	2.0	1.3			25.0	150
	14	80.0	34.7	8.0	3.3	2.7	1.3	.7			18.7	150
	17	77.3	27.3	7.3	2.0	1.3	.7	.7	.7		17.1	150
	20	98.0	70.7	29.3	8.0	3.3	2.7	2.0	1.3		27.0	150
	23	99.3	86.0	58.0	30.7	7.3	4.0	2.7	1.3		34.7	150
TOTALS		93.9	70.3	46.8	28.2	14.8	6.8	2.9	1.3	.5	32.2	1200

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

23195 STATION | YUMA, ARIZONA STATION NAME | 73-77 PERIOD | MAY MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	02	99.4	94.2	72.3	38.7	17.4	3.9	.6	.6		38.3	155
	05	100.0	99.4	92.9	69.7	41.9	13.5	3.9	.6		47.3	155
	08	100.0	95.5	76.1	49.7	21.9	5.2	1.9			40.6	155
	11	96.1	62.6	25.8	3.9						24.2	155
	14	84.5	31.0	3.2	.6	.6	.6	.6			17.8	155
	17	78.7	20.6	3.9	.6	.6	.6	.6	.6		16.1	155
	20	98.7	59.4	20.0	3.2	.6	.6	.6			23.9	155
	23	100.0	91.0	53.5	21.9	5.2	1.3	.6			32.9	155
TOTALS		94.7	69.2	43.5	23.5	11.0	3.2	1.1	.2		30.1	1240

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) JUN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	02	98.0	82.7	51.3	20.0	8.0	2.7	.7			32.0	150
	05	100.0	94.0	74.0	35.3	14.7	6.0	2.7			38.5	150
	08	100.0	90.0	60.7	23.3	10.7	2.7	.7			34.1	150
	11	86.7	40.0	14.7	.7						20.0	150
	14	70.0	12.0	2.7							14.1	150
	17	63.3	6.7	.7							12.7	150
	20	94.0	38.7	7.3	2.7						20.2	150
	23	98.0	72.7	32.0	8.0	2.7	2.0				26.6	150
TOTALS		88.8	54.6	30.4	11.3	4.5	1.7	.5			24.8	1200

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) JUL (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	02	100.0	96.8	84.5	56.8	35.5	12.9	3.9	.6		44.7	155
	05	100.0	99.4	91.6	73.5	49.7	21.9	7.7	2.6		49.9	155
	08	100.0	98.1	87.1	67.1	38.1	18.7	3.9			47.1	155
	11	99.4	84.5	56.1	21.9	7.1	1.3				32.7	155
	14	96.1	67.1	21.9	7.1	1.9	.6				25.0	155
	17	94.2	57.4	14.8	4.5						22.5	155
	20	98.7	83.2	48.4	14.8	3.9	1.3	.6	.6		30.7	155
	23	100.0	96.1	75.5	39.4	13.5	5.2	1.3			38.5	155
TOTALS		98.6	85.3	60.0	35.6	18.7	7.7	2.2	.5		36.4	1240

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5706 RELATIVE HUMIDITY JAN 68

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RELATIVE HUMIDITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) AUG (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	02	100.0	94.2	79.4	56.8	31.6	16.1	6.5	1.9	.6	44.0	155
	05	100.0	97.4	92.3	74.8	48.4	30.3	12.3	5.2	.6	51.6	155
	08	100.0	96.1	89.7	65.8	51.0	30.3	11.0	2.6	.6	50.3	155
	11	96.8	77.4	57.4	27.1	4.5	1.9	.6			32.1	155
	14	90.3	56.8	17.4	3.2	1.3	1.3				22.2	155
	17	87.7	40.6	8.4	2.6	1.3	1.3	1.3	1.3	.6	20.1	155
	20	99.4	67.1	40.0	14.2	1.9	1.3	1.3	1.3	1.3	28.5	155
	23	99.4	91.0	67.7	40.6	16.1	7.1	3.9	1.9	.6	38.3	155
TOTALS		96.7	77.6	56.5	35.6	19.5	11.2	4.6	1.8	.5	35.9	1240

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5706 RELATIVE HUMIDITY JAN 68

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2

RELATIVE HUMIDITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) SEP (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	02	100.0	98.0	90.7	75.3	60.7	42.0	20.7	4.0	.7	54.5	150
	05	100.0	98.7	95.3	86.0	67.3	48.0	28.0	12.0		59.1	150
	08	100.0	99.3	94.0	78.7	64.7	43.3	22.7	4.7	.7	56.2	150
	11	99.3	86.0	68.0	43.3	17.3	3.3	2.0	.7		37.2	150
	14	96.0	64.0	32.7	8.7	4.0	1.3				26.6	150
	17	94.0	57.3	26.0	8.7	4.7	2.7	1.3			24.7	150
	20	99.3	86.7	48.7	29.3	14.0	7.3	2.0			34.6	150
	23	100.0	96.7	80.7	58.7	35.3	14.0	8.0	1.3		45.1	150
TOTALS		98.6	85.8	67.0	48.6	33.5	20.2	10.6	2.8	.2	42.3	1200

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5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) OCT (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	02	100.0	98.7	87.7	69.7	44.5	27.1	16.1	5.2	.6	50.5	155
	05	100.0	97.4	93.5	79.4	52.9	32.9	22.6	14.2	3.2	55.2	155
	08	100.0	98.1	88.4	69.7	43.2	28.4	18.7	7.1		50.9	155
	11	99.4	74.2	46.5	29.7	12.9	3.9	1.3	.6		32.5	155
	14	93.5	48.4	25.2	6.5	3.2	1.3	1.3	1.3		23.6	155
	17	93.5	44.5	20.6	6.5	3.9	1.9	1.3	.6		22.7	155
	20	100.0	87.7	49.7	28.4	12.9	4.5	1.9	.6	.6	34.2	155
	23	100.0	98.1	81.3	52.3	29.0	14.8	7.7	2.6	.6	44.1	155
TOTALS		98.3	80.9	61.6	42.8	25.3	14.4	8.9	4.0	.6	39.2	1240

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5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

2

RELATIVE HUMIDITY

23195 YUMA, ARIZONA 73-77 NOV
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	02	99.3	94.0	81.3	62.7	39.3	18.0	10.0	6.7	.7	47.1	150
	05	100.0	96.0	89.3	66.7	48.0	24.7	12.7	6.7	4.0	49.9	150
	08	100.0	96.7	81.3	61.3	41.3	24.7	14.0	6.7	2.0	48.3	150
	11	98.7	72.7	40.0	21.3	9.3	4.7	2.7			30.4	150
	14	96.0	44.7	18.0	6.0	2.0	1.3	.7			22.2	150
	17	96.0	44.7	17.3	6.7	3.3	2.0	1.3	1.3		22.9	150
	20	99.3	82.7	52.7	28.0	10.0	3.3	2.0	.7	.7	33.3	150
	23	98.7	94.0	76.0	50.7	28.0	12.7	8.0	2.0	.7	42.8	150
TOTALS		98.5	78.2	57.0	37.9	22.7	11.4	6.4	3.0	1.0	37.1	1200

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (PERIOD) DEC (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	02	100.0	96.8	81.3	63.2	49.7	29.7	18.1	12.3	8.4	51.6	155
	05	100.0	97.4	83.9	68.4	51.0	30.3	20.0	11.6	7.1	52.9	155
	08	100.0	98.7	87.1	71.0	47.1	32.3	22.6	10.3	7.1	53.0	155
	11	100.0	82.6	49.7	30.3	17.4	11.0	9.7	7.7	1.9	36.5	155
	14	95.5	53.5	26.5	13.5	10.3	9.0	6.5	3.2	.6	27.4	155
	17	97.4	56.8	25.8	14.8	11.0	8.4	7.7	4.5	1.9	28.6	155
	20	100.0	89.0	59.4	38.1	20.0	11.6	9.7	7.1	3.9	39.5	155
	23	100.0	97.4	78.7	59.4	38.7	22.6	14.2	10.3	7.1	48.4	155
TOTALS		99.1	84.0	61.6	44.8	30.7	19.4	13.0	8.4	4.8	42.2	1240

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

RELATIVE HUMIDITY

23195 YUMA, ARIZONA 73-77 ALL
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	99.8	87.4	66.4	46.3	30.3	18.6	10.9	5.2	2.2	42.3	1240
FEB		96.4	80.2	62.4	44.9	30.2	20.8	13.8	5.9	1.7	41.3	1128
MAR		95.9	78.9	61.3	43.6	27.5	15.7	8.3	2.7	.7	39.1	1240
APR		93.9	70.3	46.8	28.2	14.8	6.8	2.9	1.3	.5	32.2	1200
MAY		94.7	69.2	43.5	23.5	11.0	3.2	1.1	.2		30.1	1240
JUN		88.8	54.6	30.4	11.3	4.5	1.7	.5			24.8	1200
JUL		98.6	85.3	60.0	35.6	18.7	7.7	2.2	.5		36.4	1240
AUG		96.7	77.6	56.5	35.6	19.5	11.2	4.6	1.8	.5	35.9	1240
SEP		98.6	85.8	67.0	48.6	33.5	20.2	10.6	2.8	.2	42.3	1200
OCT		98.3	80.9	61.6	42.8	25.3	14.4	8.9	4.0	.6	39.2	1240
NOV		98.5	78.2	57.0	37.9	22.7	11.4	6.4	3.0	1.0	37.1	1200
DEC		99.1	84.0	61.6	44.8	30.7	19.4	13.6	8.4	4.8	42.2	1240
TOTALS		96.6	77.7	56.2	36.9	22.4	12.6	7.0	3.0	1.0	36.9	14608

NAVWEASERVCOM

5706 RELATIVE HUMIDITY JAN 68
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2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | JANUARY (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	100.0									2	.2
77 TO 81	40.0	13.3	6.7		20.0		6.7	13.3		15	1.2
72 TO 76	56.0	24.0	6.0	2.0	4.0		4.0	4.0		50	4.0
67 TO 71	40.2	14.1	6.5	3.3	8.7	5.4	8.7	13.0		92	7.4
62 TO 66	33.8	18.5	3.2	3.8	8.9	5.1	11.5	14.0	1.3	157	12.7
57 TO 61	35.1	14.7	3.8	3.8	7.1	5.7	10.9	12.8	6.2	211	17.0
52 TO 56	37.5	12.6	5.9	4.3	8.3	4.0	6.7	11.9	8.7	253	20.4
47 TO 51	37.0	18.3	5.8	3.8	9.1	1.4	6.7	7.7	10.1	208	16.8
42 TO 46	42.5	21.3	8.1	1.9	1.9	1.9	5.0	5.6	11.9	160	12.9
37 TO 41	33.6	23.5	11.8	1.5	1.5	1.5	4.4	4.4	17.6	68	5.5
32 TO 36	23.8	28.6	9.5	4.8			4.8		28.6	21	1.7
27 TO 31		33.3	33.3						33.3	3	.2
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	37.7	17.3	6.0	3.4	6.9	3.4	7.7	9.9	7.7	1240	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

1849

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195	YUMA, ARIZONA	JAN 1973-DEC 1977	FEBRUARY	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	25.0		25.0			25.0		25.0		4	.4
82 TO 86	27.8	50.0				5.6	11.1		5.6	18	1.6
77 TO 81	31.4	5.7	8.6		11.4	8.6	20.0	5.7	8.6	35	3.1
72 TO 76	25.6	22.1	5.8	4.7	10.5	7.0	12.8	11.6		86	7.6
67 TO 71	25.2	17.0	2.2	3.0	12.6	3.7	17.0	15.6	3.7	135	12.0
62 TO 66	22.2	15.7	6.5	3.8	8.6	8.6	14.6	14.1	5.9	185	16.4
57 TO 61	24.4	12.2	3.3	8.9	13.3	6.7	11.1	11.7	8.3	180	16.0
52 TO 56	24.9	10.7	7.3	6.8	7.8	3.9	13.2	10.7	14.6	205	18.2
47 TO 51	25.0	19.4	8.9	4.4	3.9	1.1	10.6	4.4	22.2	180	16.0
42 TO 46	29.4	20.0	8.2	1.2	5.9	2.4	10.6	2.4	20.0	85	7.5
37 TO 41	21.4	7.1	7.1	7.1					57.1	14	1.2
32 TO 36									100.0	1	.1
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	25.0	15.9	6.1	4.9	8.7	5.0	12.9	10.0	11.6	1128	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 1973-DEC 1977 (YEARS) MARCH (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	12.5	12.5			50.0		12.5	12.5		8	.6
82 TO 86	14.3	8.6			5.7	14.3	40.0	14.3	2.9	35	2.8
77 TO 81	15.3	8.5	1.7	6.8	10.2	20.3	30.5	5.1	1.7	59	4.8
72 TO 76	21.1	10.5	.8	2.3	17.3	18.0	18.0	9.0	3.0	133	10.7
67 TO 71	11.3	8.2	3.8	3.3	14.5	8.8	35.2	12.6	1.9	159	12.8
62 TO 66	13.8	4.9	2.5	4.9	19.2	12.3	21.7	14.8	5.9	203	16.4
57 TO 61	16.6	4.3	3.8	7.1	8.5	8.1	27.0	13.3	11.4	211	17.0
52 TO 56	12.7	6.1	5.7	5.3	12.7	5.3	20.4	17.6	14.3	245	19.8
47 TO 51	15.9	11.7	6.2	4.8	15.2	9.0	14.5	12.4	10.3	145	11.7
42 TO 46	17.9	17.9	12.8		15.4	7.7	15.4		12.8	39	3.1
37 TO 41					33.3	33.3			33.3	3	.2
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	14.9	7.5	4.0	4.7	14.1	10.2	23.5	12.9	8.1	1240	100.0

NAVWEASERVCOM

5705 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

1849

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | APRIL (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101					33.3		66.7			3	.3
92 TO 96	4.5				18.2	31.8	40.9	4.5		22	1.8
87 TO 91	7.2	4.3	2.9	1.4	21.7	24.6	31.9	5.8		69	5.8
82 TO 86	13.6	5.5	2.7	3.6	14.5	21.8	28.2	6.4	3.6	110	9.2
77 TO 81	16.9	3.1	3.1	1.5	16.2	17.7	30.0	10.0	1.5	130	10.8
72 TO 76	12.4	5.2	1.3	4.6	15.7	11.8	32.0	13.1	3.9	153	12.8
67 TO 71	12.4	7.3	2.8	6.2	16.4	13.0	24.9	8.5	8.5	177	14.8
62 TO 66	9.2	6.6	1.0	5.1	18.9	9.7	18.9	13.8	16.8	196	16.3
57 TO 61	15.6	6.7	1.1	5.0	11.1	7.2	20.6	17.8	15.0	180	15.0
52 TO 56	8.3	9.2	10.1	3.7	10.1	3.7	32.1	9.2	13.8	109	9.1
47 TO 51	7.0	7.0	7.0	2.3	11.6	16.3	34.9	2.3	11.6	43	3.6
42 TO 46			12.5	25.0	37.5		12.5		12.5	8	.7
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	11.8	6.0	2.9	4.3	15.5	12.9	26.8	10.8	9.0	1200	100.0

NAVWEASERVCOM

5709, FREQ. OF TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 1973-DEC 1977 (YEARS) MAY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111						50.0	50.0			2	.2
102 TO 106	9.5		14.3	4.8	19.0	9.5	38.1	4.8		21	1.7
97 TO 101	4.9	3.3	3.3	1.6	37.7	19.7	21.3	6.6	1.6	61	4.9
92 TO 96	5.0	2.0	2.0	1.0	24.8	24.8	34.7	5.9		101	8.1
87 TO 91	3.3	2.7	2.7	3.3	35.3	22.7	26.0	3.3	.7	150	12.1
82 TO 86	4.7	2.4	1.6	4.7	26.0	25.2	26.8	6.3	2.4	127	10.2
77 TO 81	4.1	2.3	2.3	8.7	28.5	14.0	23.3	9.9	7.0	172	13.9
72 TO 76	3.3	2.3	1.4	9.9	34.1	13.1	21.5	7.9	7.5	214	17.3
67 TO 71	6.3	2.3	3.4	12.6	27.0	9.8	16.7	7.5	14.4	174	14.0
62 TO 66	7.1	4.8	4.8	9.5	13.5	4.8	18.3	24.6	12.7	126	10.2
57 TO 61	5.7	5.7	4.3	5.7	11.4	7.1	25.7	24.3	10.0	70	5.6
52 TO 56	4.5		4.5		4.5	22.7	31.8	22.7	9.1	22	1.8
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	4.8	2.7	2.9	5.9	26.9	15.4	23.6	10.0	6.7	1240	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 1973-DEC 1977 (YEARS) JUNE (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116					5.9	35.3	47.1	11.8		17	1.4
107 TO 111	1.6	3.2		4.8	22.6	29.0	37.1	1.6		62	5.2
102 TO 106	7.0	3.5	3.5	.9	25.4	18.4	35.1	6.1		114	9.5
97 TO 101	7.6	1.3	.6	3.2	26.6	26.6	29.1	5.1		156	13.2
92 TO 96	7.6	.8	1.5	3.8	32.1	22.1	23.7	8.4		131	10.9
87 TO 91	3.2	3.7	1.1	8.0	29.9	15.0	24.1	10.2	4.8	187	15.6
82 TO 86	2.3	1.8	2.3	5.3	48.5	11.1	16.4	7.6	4.7	171	14.3
77 TO 81	6.9	2.9	4.0	12.7	37.0	7.5	12.7	6.4	9.8	173	14.4
72 TO 76	8.3	5.0	3.3	15.0	27.5	10.0	13.3	5.8	11.7	120	10.0
67 TO 71	9.6	3.8	11.5	1.9	34.6	1.9	13.5	3.8	19.2	52	4.3
62 TO 66	14.3	14.3	7.1	7.1			14.3	42.9		14	1.2
57 TO 61						100.0				1	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	5.8	2.8	2.6	6.7	31.8	15.8	22.3	7.3	4.8	1200	100.0

NAVWEASERVCOM

5704 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 1973-DEC 1977 (YEARS) JULY (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116			25.0		25.0	25.0	25.0			4	.3
107 TO 111					25.0	31.3	41.7	2.1		48	3.9
102 TO 106	.6		.6	1.8	43.1	24.0	26.9	3.0		167	13.5
97 TO 101	.5	1.0	2.0	5.9	51.2	14.6	20.0	4.4	.5	205	16.5
92 TO 96		1.6	2.6	10.5	55.5	16.8	10.5	1.0	1.6	191	15.4
87 TO 91	3.3	3.0	2.6	17.7	54.2	11.1	5.2	1.5	1.5	271	21.9
82 TO 86	1.1	3.7	6.0	29.9	36.9	7.1	7.1	2.6	5.6	268	21.6
77 TO 81	10.5	6.6	2.6	28.9	21.1	6.6	5.3	6.6	11.8	76	6.1
72 TO 76	10.0	10.0			20.0	20.0	10.0	20.0	10.0	10	.8
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	1.9	2.3	2.9	14.9	45.2	14.0	13.3	2.8	2.7	1240	100.0

NAVWEASERVCOM

5709 FREQ. [redacted] TEMP. VS. WIND DIR. J[redacted]68

185U

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | AUGUST (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116							100.0			1	.1
107 TO 111	3.3				26.2	24.6	44.3	1.6		61	4.9
102 TO 106	1.2		2.4	1.8	34.1	23.2	32.3	2.4	2.4	164	13.2
97 TO 101	2.1	1.1	1.1	2.7	38.3	21.8	26.1	5.9	1.1	188	15.2
92 TO 96	2.7	2.7	1.1	8.5	41.5	17.6	22.3	2.7	1.1	188	15.2
87 TO 91	2.3	3.2	3.2	16.1	35.3	14.7	16.5	3.2	5.5	218	17.6
82 TO 86	3.5	5.1	5.1	19.6	36.1	8.2	9.4	4.3	8.6	255	20.6
77 TO 81	15.4	5.1	2.4	11.4	22.8	5.7	9.8	10.6	13.8	123	9.9
72 TO 76	7.9	7.9	7.9	5.3	13.2	7.9	15.8	16.4	15.8	38	3.1
67 TO 71	25.0						25.0		50.0	4	.3
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	4.0	3.2	2.7	10.1	34.2	15.3	20.2	4.8	5.4	1240	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195	YUMA, ARIZONA	JAN 1973-DEC 1977	SEPTEMBER	ALL
STATION	STATION NAME	YEARS	MONTH	HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111				11.1	11.1	22.2	55.6			9	.8
102 TO 106	6.1			2.0	32.7	24.5	30.6	4.1		49	4.1
97 TO 101	4.0	7.9	2.4	4.0	28.6	16.7	32.5	3.2	.8	126	10.5
92 TO 96	10.1	6.2	6.2	7.3	28.7	16.3	19.7	5.1	.6	178	14.8
87 TO 91	3.1	6.3	7.3	7.8	32.8	13.0	18.8	5.2	5.7	192	16.0
82 TO 86	6.7	9.4	5.8	14.5	28.6	10.3	10.7	5.4	6.7	224	18.7
77 TO 81	8.4	14.8	10.3	16.7	16.7	4.9	6.4	8.9	12.8	203	16.9
72 TO 76	17.7	15.9	7.9	7.9	14.6	6.1	4.9	8.5	16.5	164	13.7
67 TO 71	23.1	21.2	3.8	1.9	11.5	3.8	1.9	3.8	28.8	52	4.3
62 TO 66								33.3	66.7	3	.3
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	8.8	10.1	6.4	10.0	24.6	11.2	14.8	6.0	8.2	1200	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

1850

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) YUMA, ARIZONA (STATION NAME) JAN 1973-DEC 1977 (YEARS) OCTOBER (MONTH) ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106					50.0	50.0				2	.2
97 TO 101	12.0	16.0	20.0	4.0	4.0	12.0	24.0	8.0		25	2.0
92 TO 96	21.3	9.0	11.2	4.5	15.7	6.7	24.7	5.6	1.1	89	7.2
87 TO 91	19.7	17.1	7.7	5.1	19.7	10.3	14.5	1.7	4.3	117	9.4
82 TO 86	14.9	15.6	5.0	10.6	12.8	6.4	21.3	7.1	6.4	141	11.4
77 TO 81	14.2	8.3	7.7	5.3	17.2	11.2	18.3	11.2	6.5	169	13.6
72 TO 76	16.0	8.7	10.2	12.1	15.5	5.3	8.7	9.2	14.1	206	16.6
67 TO 71	21.2	20.7	7.2	3.2	5.0	6.8	13.5	8.6	14.0	222	17.9
62 TO 66	25.9	13.3	7.6	3.2	7.0	4.4	15.2	7.6	15.8	158	12.7
57 TO 61	15.4	15.4	3.8	3.8	10.3	2.6	14.1	6.4	28.2	78	6.3
52 TO 56	39.3	10.7	14.3	3.6	7.1		7.1		17.9	28	2.3
47 TO 51		60.0	20.0						20.0	5	.4
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	18.9	13.8	8.1	6.1	12.1	6.9	15.4	7.5	11.2	1240	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | NOVEMBER (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	18.8	25.0			6.3	6.3	12.5	25.0	6.3	16	1.3
82 TO 86	40.7	13.6	6.8		13.6	3.4	10.2	6.8	5.1	59	4.9
77 TO 81	40.0	13.0	4.0	5.0	7.0	8.0	12.0	9.0	2.0	100	8.3
72 TO 76	44.9	18.1	3.9	3.1	3.1	3.9	14.2	6.3	2.4	127	10.6
67 TO 71	28.5	15.9	2.6	2.0	8.6	4.0	14.6	9.9	13.9	151	12.6
62 TO 66	28.8	9.1	6.1	4.0	7.6	2.5	11.1	18.7	12.1	198	16.5
57 TO 61	37.2	15.5	5.8	3.1	3.5	3.1	8.4	9.3	14.2	226	18.8
52 TO 56	35.3	22.1	4.7	2.6	4.7	3.2	6.8	7.9	12.6	190	15.8
47 TO 51	44.0	15.4	3.3	1.1	5.5	2.2	7.7	1.1	19.8	91	7.6
42 TO 46	34.3	20.0	5.7		5.7	2.9	14.3	5.7	11.4	35	2.9
37 TO 41	57.1							42.9		7	.6
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	35.9	15.7	4.7	2.8	6.0	3.6	10.5	9.9	11.0	1200	100.0

NAVWEASERVCOM

5705 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

185U

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | DECEMBER (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81	35.3	23.5	5.9		5.9	5.9	5.9	5.9	11.8	17	1.4
72 TO 76	46.9	17.2	4.7	1.6	12.5	6.3	4.7	3.1	3.1	64	5.2
67 TO 71	46.7	18.0	2.5	1.6	12.3	1.6	5.7	9.0	2.5	122	9.8
62 TO 66	47.0	17.9	3.6	3.6	7.7	1.8	3.6	10.7	4.2	168	13.5
57 TO 61	35.3	11.1	3.9	4.8	4.8	4.3	7.2	20.8	7.7	207	16.7
52 TO 56	39.8	11.9	5.3	3.7	4.5	3.3	5.7	9.8	16.0	244	19.7
47 TO 51	36.6	24.2	4.4	3.1	4.4	2.2	5.3	6.2	13.7	227	18.3
42 TO 46	45.0	26.4	7.1	.7	1.4	.7	2.1	1.4	15.0	140	11.3
37 TO 41	40.0	30.0	2.5	2.5	2.5			7.5	15.0	40	3.2
32 TO 36	36.4	36.4						9.1	18.2	11	.9
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
−3 TO 1											
−8 TO −4											
−13 TO −9											
−18 TO −14											
−23 TO −19											
−28 TO −24											
−33 TO −29											
−38 TO −34											
−43 TO −39											
−48 TO −44											
−53 TO −49											
−58 TO −54											
−59 & LWR											
TOTALS	41.0	18.3	4.4	3.0	5.7	2.7	4.9	9.6	10.4	1240	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

2

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

23195 (STATION) | YUMA, ARIZONA (STATION NAME) | JAN 1973-DEC 1977 (YEARS) | ALL (MONTH) | ALL (HOURS (L.S.T.))

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116			4.5		9.1	31.8	45.5	9.1		22	.2
107 TO 111	1.6	1.1		2.2	23.6	28.0	41.8	1.6		182	1.2
102 TO 106	3.1	.8	2.3	1.7	34.4	22.1	31.1	3.7	.8	517	3.5
97 TO 101	3.7	2.9	2.2	3.8	36.6	19.5	25.8	5.0	.7	766	5.2
92 TO 96	6.4	3.3	3.6	6.6	35.6	17.9	21.6	4.3	.8	900	6.2
87 TO 91	5.2	5.4	3.7	10.1	35.6	14.6	17.2	4.6	3.5	1232	8.4
82 TO 86	7.7	7.0	4.4	14.3	29.4	11.0	15.0	5.5	5.7	1410	9.7
77 TO 81	14.2	7.7	5.0	10.0	20.6	9.8	15.7	8.9	8.0	1272	8.7
72 TO 76	19.6	10.7	4.6	7.1	17.5	9.0	14.8	8.8	7.9	1365	9.3
67 TO 71	21.4	12.8	4.3	4.5	14.0	6.7	17.0	9.7	9.7	1340	9.2
62 TO 66	23.3	11.2	4.3	4.6	11.5	6.3	14.4	14.9	9.4	1408	9.6
57 TO 61	26.0	10.9	3.7	5.3	8.1	5.7	14.7	14.2	11.4	1364	9.3
52 TO 56	27.9	11.8	6.3	4.4	7.9	4.2	12.7	11.5	13.3	1296	8.9
47 TO 51	30.1	18.4	6.0	3.6	7.6	3.6	9.8	6.5	14.6	899	6.2
42 TO 46	37.5	21.8	8.1	1.5	4.5	2.1	6.9	3.2	14.3	467	3.2
37 TO 41	34.8	22.0	7.6	2.3	2.3	1.5	2.3	6.8	20.5	132	.9
32 TO 36	27.3	30.3	6.1	3.0			3.0	3.0	27.3	33	.2
27 TO 31		33.3	33.3						33.3	3	.0
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	17.5	9.6	4.5	6.5	19.4	9.7	16.3	8.4	8.0	14608	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

NWSD, Federal Building

Asheville, N. C.

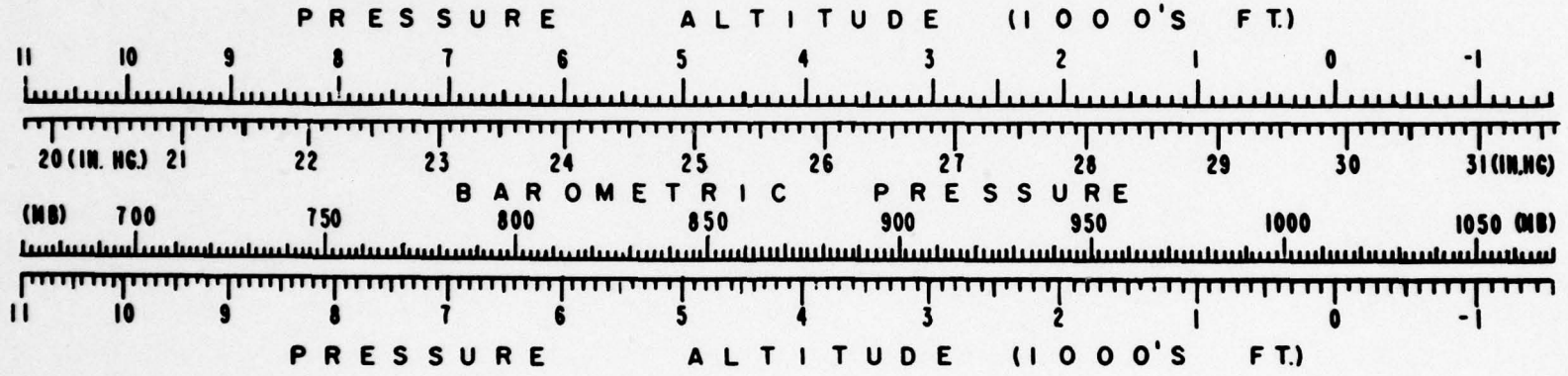
PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.

2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23195 STATION — YUMA, ARIZONA STATION NAME — 73-77 YEARS

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN	29.845	29.829	29.715	29.673	29.593	29.528	29.572	29.575	29.589	29.679	29.767	29.842	29.683
	S. D.	.133	.119	.115	.101	.086	.073	.068	.059	.073	.085	.127	.116	.148
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
05	MEAN	29.837	29.814	29.699	29.671	29.594	29.538	29.582	29.581	29.592	29.678	29.767	29.835	29.682
	S. D.	.134	.123	.116	.100	.085	.070	.064	.059	.070	.084	.128	.115	.143
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
08	MEAN	29.869	29.849	29.744	29.716	29.639	29.586	29.627	29.627	29.634	29.719	29.805	29.865	29.723
	S. D.	.136	.126	.118	.101	.086	.070	.063	.060	.071	.084	.129	.116	.140
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
11	MEAN	29.912	29.885	29.769	29.731	29.647	29.593	29.636	29.632	29.649	29.735	29.833	29.900	29.743
	S. D.	.137	.124	.119	.102	.087	.071	.066	.103	.073	.085	.131	.117	.151
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
14	MEAN	29.836	29.822	29.711	29.680	29.602	29.547	29.589	29.585	29.592	29.671	29.762	29.827	29.685
	S. D.	.133	.123	.118	.100	.088	.073	.064	.060	.072	.085	.130	.115	.142
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
17	MEAN	29.819	29.787	29.666	29.628	29.547	29.489	29.523	29.524	29.542	29.637	29.740	29.810	29.642
	S. D.	.129	.122	.119	.100	.086	.074	.066	.060	.073	.086	.130	.115	.153
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
20	MEAN	29.836	29.805	29.682	29.637	29.554	29.489	29.528	29.529	29.556	29.657	29.761	29.828	29.654
	S. D.	.129	.121	.116	.100	.085	.073	.066	.059	.073	.087	.130	.116	.157
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
23	MEAN	29.855	29.828	29.714	29.675	29.596	29.530	29.572	29.573	29.589	29.683	29.779	29.845	29.686
	S. D.	.129	.118	.114	.099	.084	.073	.066	.064	.073	.084	.131	.117	.149
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	29.851	29.827	29.712	29.676	29.596	29.537	29.579	29.578	29.593	29.682	29.777	29.844	29.687
	S. D.	.135	.125	.120	.103	.092	.080	.075	.076	.079	.090	.132	.119	.151
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

5707 MEANS AND STANDARD DEVIATIONS JAN 68

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MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

23195 (STATION) YUMA, ARIZONA (STATION NAME) 73-77 (YEARS)

HRS.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN	1018.0	1017.5	1013.5	1012.1	1009.3	1007.1	1008.5	1008.6	1009.1	1012.2	1015.3	1017.9	1012.4
	S. D.	4.523	4.063	3.928	3.449	2.958	2.460	2.305	2.021	2.453	2.884	4.350	3.975	5.101
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
05	MEAN	1017.8	1016.9	1013.0	1012.0	1009.3	1007.3	1008.8	1008.8	1009.2	1012.2	1015.3	1017.7	1012.3
	S. D.	4.573	4.197	3.945	3.402	2.895	2.388	2.149	2.003	2.373	2.876	4.373	3.946	4.941
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
08	MEAN	1018.8	1018.1	1014.5	1013.5	1010.8	1008.9	1010.4	1010.3	1010.6	1013.6	1016.6	1018.7	1013.7
	S. D.	4.636	4.317	4.025	3.448	2.945	2.389	2.128	2.025	2.406	2.871	4.423	3.967	4.851
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
11	MEAN	1020.3	1019.3	1015.4	1014.0	1011.1	1009.2	1010.6	1010.7	1011.1	1014.1	1017.6	1019.9	1014.4
	S. D.	4.662	4.246	4.056	3.460	2.990	2.424	2.214	1.987	2.450	2.919	4.479	4.006	5.146
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
14	MEAN	1017.7	1017.2	1013.4	1012.3	1009.6	1007.6	1009.0	1008.9	1009.2	1011.9	1015.1	1017.4	1012.4
	S. D.	4.519	4.193	4.021	3.419	3.019	2.512	2.164	2.032	2.422	2.901	4.431	3.941	4.891
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
17	MEAN	1017.1	1016.0	1011.8	1010.5	1007.7	1005.6	1006.8	1006.8	1007.4	1010.8	1014.4	1016.8	1011.0
	S. D.	4.413	4.170	4.039	3.423	2.972	2.528	2.221	2.054	2.490	2.964	4.427	3.933	5.272
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
20	MEAN	1017.7	1016.6	1012.4	1010.8	1007.9	1005.6	1007.0	1007.0	1008.0	1011.5	1015.1	1017.4	1011.4
	S. D.	4.398	4.153	3.939	3.422	2.946	2.506	2.232	2.016	2.491	2.961	4.456	3.963	5.415
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
23	MEAN	1018.4	1017.4	1013.5	1012.2	1009.4	1007.1	1008.5	1008.5	1009.1	1012.4	1015.8	1018.1	1012.5
	S. D.	4.396	4.060	3.890	3.377	2.893	2.473	2.239	2.176	2.462	2.866	4.477	3.971	5.157
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	MEAN	1018.2	1017.4	1013.5	1012.2	1009.4	1007.3	1008.7	1008.7	1009.2	1012.3	1015.6	1018.0	1012.5
	S. D.	4.596	4.268	4.107	3.592	3.152	2.743	2.552	2.408	2.684	3.068	4.513	4.050	5.206
	TOTAL OBS	1240	1128	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

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